

USER MANUAL

Expolite TourBlinder 600 FC

Item no. led26900



01 Safety instructions

02 Structure and installation

03 DMX connection

04 DMX addressing and power supply

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Every fixture is fully tested and properly packed by the manufacturer. Before installation and use, make sure that packaging and fixture are in perfect condition. In case of transport damage, contact your dealer and do not operate the fixture.

All users must strictly observe the warnings and operating instructions stated in this manual. Damage caused by misuse or by disregarding this manual is not covered by the warranty.

As part of continuous product development, technical data is subject to change without prior notice.

1.1 Safety instructions

WARNING

- After receiving the fixture, check it for transport damage. Do not operate a damaged fixture and contact your dealer immediately.
- The fixture is rated IP65. Keep the fixture clean and carry out maintenance at least every three months.
- Do not mount the fixture directly on surfaces of ordinary combustible materials.
- Installation, operation and maintenance may only be carried out by qualified professionals, strictly following the procedures described in this manual.
- Do not point the fixture directly at combustible objects. Keep a distance of at least 3 m between the fixture and the illuminated object.
- Do not look directly into the light source (especially persons with epilepsy) – risk of eye damage.
- Do not open the fixture for self-repair and do not modify its structure in any way.
- The electrical connection may only be made by qualified personnel.
- Before installation, make sure the supply voltage matches the voltage indicated on the fixture.
- Every fixture must be properly earthed and electrically installed according to the relevant standards.

1.1 Safety instructions (continued)

WARNING

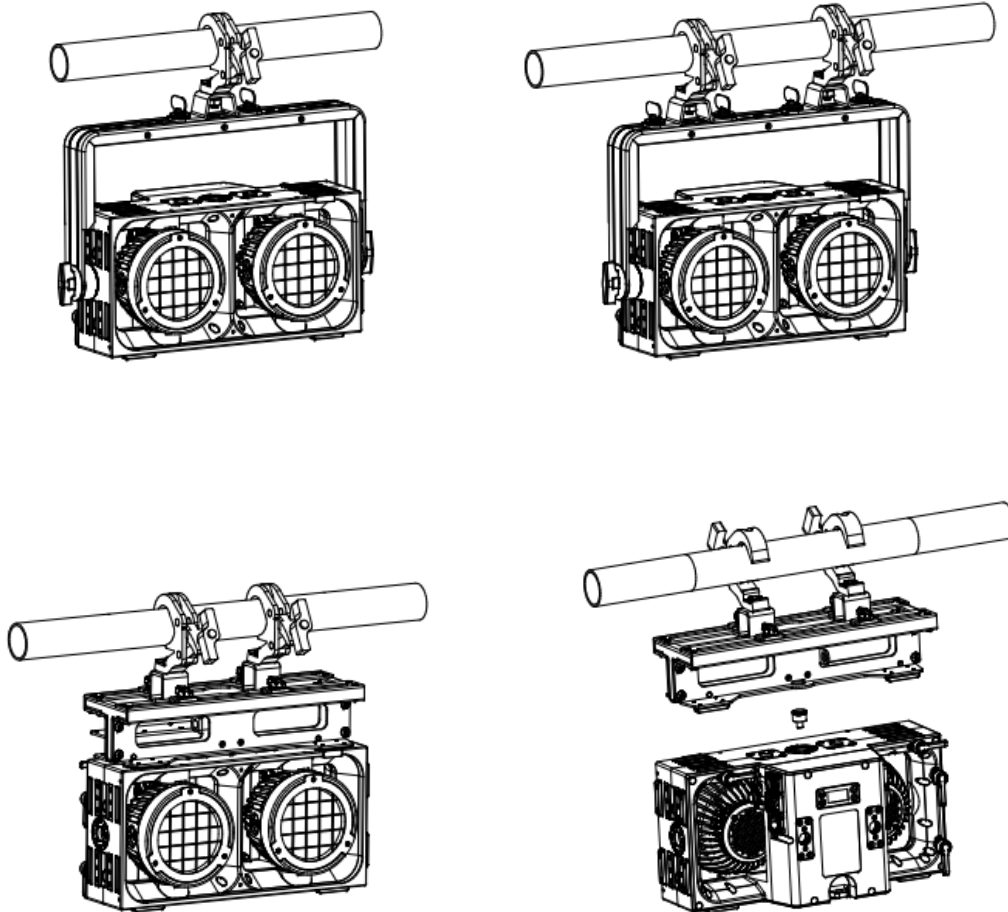
- Do not connect the fixture to any dimmer device.
- When the fixture is rigged at height, pass the supplied safety rope through the bracket or the designated points for secondary suspension (see chapter 2).
- Replace the LED lens and glass cover after severe scratches or rupture.
- The housing surface reaches up to 45 °C at switch-on and up to 60 °C in stable continuous operation.
- There are no user-serviceable parts inside the fixture. Before operating, check that all covers are installed and all screws are reliably tightened. Do not operate the fixture with the cover plate (or housing) open.
- If you have any questions or suggestions, contact your dealer.

Note: All fixtures leave the factory fully tested and properly packed. Damage caused by disregarding this manual or by tampering with the fixture is not covered by the warranty.

02 STRUCTURE AND INSTALLATION

2.1 Mounting

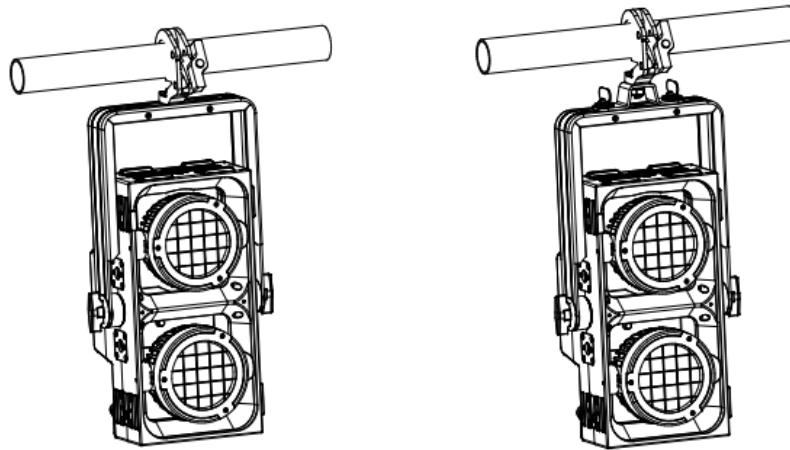
The fixture can be mounted standing on flat ground, hanging vertically or hanging sideways. Use suitable clamps on the mounting bracket for truss mounting. The bracket can be removed to change the orientation (see figure below).



02 STRUCTURE AND INSTALLATION

2.2 Rigging

For vertical rigging, reposition the mounting bracket as shown. Whenever the fixture is rigged, additionally secure it with the supplied safety rope: pass the rope through the handle or the designated points on the housing.



Caution: Rigging may only be carried out by qualified personnel. Check clamps, screws and safety rope before every use.

03 DMX CONNECTION

3.1 DMX linking

- Connect the fixtures with XLR signal cables: the output of the first fixture connects to the input of the next fixture. Signal cables may only be run in series, never in parallel.
- To reduce signal errors and avoid signal weakening and interference, a 120 Ω (1/4 W) terminator can be fitted between pins 2 and 3 at the DMX output of the last fixture.
- DMX512 transmits at high speed. Damaged signal cables, poor solder joints or loose contacts disturb the transmission and can shut down the system.
- When a fixture is disconnected from mains, a bypass connects DMX output and input to maintain the connectivity of the DMX line.
- Each fixture needs an address to receive the data sent from the console.
- A maximum of 32 fixtures can be connected per DMX line.



04 DMX ADDRESSING AND POWER SUPPLY

4.1 DMX addressing

The DMX start address is assigned depending on the selected channel mode. The table below shows the address range occupied by the first fixture and the start addresses of the first four fixtures in a line. From the fourth fixture onwards, continue counting according to the channel mode.

Channel mode	Address range	Fixture 1	Fixture 2	Fixture 3	Fixture 4
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

04 DMX ADDRESSING AND POWER SUPPLY

4.2 Power supply

- The fixture features waterproof power input and output (POWER IN / POWER OUT) for linking the power supply.
- With a 1.5 mm² power cable, a maximum of 6 fixtures (at 230 V) may be linked.
- Do not connect too many fixtures and do not overload a single power cable.
- Do not use power cables with damaged insulation and do not lay power cables on top of other cables.
- Unplug the power cable when the fixture is not in use or being cleaned. Never pull on the cable.



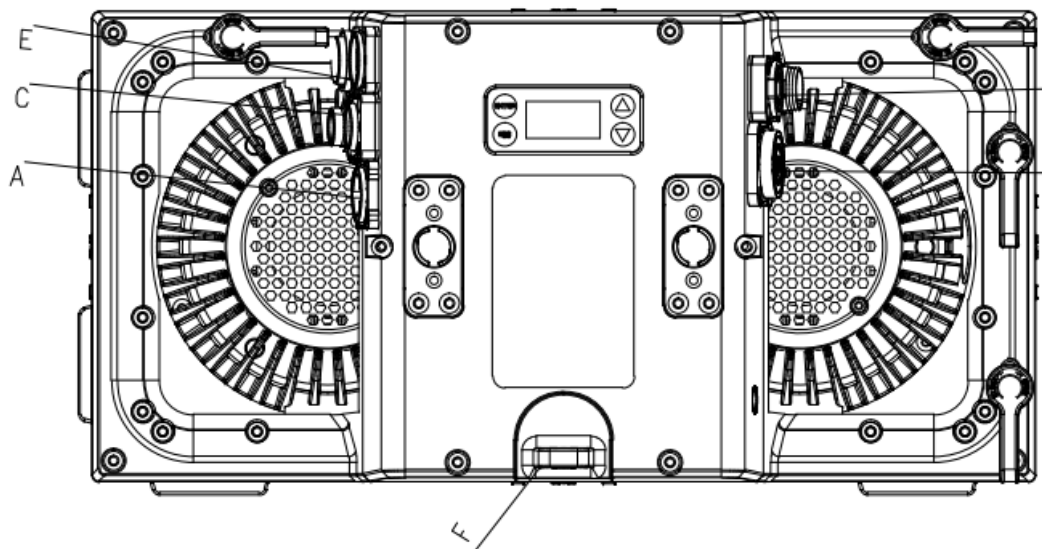
POWER IN



POWER OUT

05 CONTROL PANEL

5.1 Connections



A	Power input POWER IN, IP65 – 100–240 V, 50/60 Hz
B	Power output POWER OUT, IP65 – 100–240 V, 50/60 Hz
C	DMX input, 3-pin, waterproof
D	DMX output, 3-pin, waterproof
E	USB port, IP65 – for firmware updates
F	Safety hook

5.2 Buttons

Button	Function
ESC	Enter menu selection / leave menu level
UP	Previous menu item / increase parameter value
DOWN	Next menu item / decrease parameter value
ENTER	Confirm selection / save parameter

06 MENU

6.1 Menu structure

The main menu is accessed via the ESC button. Enter the password 8888 to open the main menu. Menu items correspond to the fixture display and are not translated.

Main menu	Submenu	Options
1. DMX Address	001-512	Cancel / Confirm
2. DMX Channel Mode	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	
3. Manual Control	Stop Manual	
	Auto Program	Stop program / Program 1-10
	Color Macro	Color macro off / Dimmer / Color macro
	Quick Light	Dimmer / Strobe / Red / Green / Blue / Amber / White
	Colour Temperature	Dimmer / Strobe / Colour temperature / Green-red shift
	Custom Colors	Color 1 - Color 5
	Color Setting	Calibration mode / Solid color mode
4. Language	Chinese / English	
	Key Lock	Off / On (Password: 8888)
5. Master/Slave Mode	Master mode / Slave mode	
6. Fixture Settings	Display Settings	Display flip / Display brightness / Auto lock screen
	Start Mode	DMX / Auto program / Quick light
	Signal Hold	Hold / Blackout / Full on
	Dimmer Curve	Linear / Exponential / Logarithmic / S-curve
	Dimmer Response	LED / Medium / Halogen

6.1 Menu structure (continued)

Main menu	Submenu	Options
	DTW (Dim to Warm)	Off / On
	White Balance	White balance / User defined
	LED Frequency	800 Hz / 1200 Hz / 2000 Hz / 3600 Hz / 12000 Hz / 25000 Hz
	Fan Mode	Auto / Silent / Off / Maximum speed
	Invert Mapping	Off / On
	Transfer Settings	With DMX / Without DMX
	Power Setting	Low power / High power
	USB Update	No / Yes
	Factory Setting	Factory reset / Restore user settings / User-defined list
7. Fixture Information	Software Version	V1.0B
	Serial Number	e.g. 202311280001
	RDM ID	0x23370000000
	Temperature	LED1 / LED2
	Power Time	Total hours
	Light Time	LED1 / LED2 hours
	Error Report	

Note: Only one fixture per signal line may be set as master. Remove the DMX control signal when using the master function. During synchronous control of multiple fixtures, the master transmits, among others, the DMX channel mode, display settings and operating state (including user program data). To do so, set the local fixture as master and all other fixtures as slave.

07 DMX CHANNEL ASSIGNMENT

7.1 Channel overview

The fixture offers 17 DMX channel modes. The following tables first show the channel overview of all modes, followed by the detailed assignment of each mode. Function and value designations correspond to the fixture display.

Channel priority: dimming > built-in program call > user program call > ARGBW dimming > HSV dimming > macro command > colour temperature.

***1 Device Settings:** The respective DMX value must be held for the stated time (1.5 s or 3 s) before the function is executed.

07 DMX CHANNEL ASSIGNMENT

7.1 Channel overview

CH	1CH DWE	2CH DWE	4CH DWE	9CH DWE+	6CH STROBE
1	Dimmer	Dimmer 1	Dimmer	Master Dimmer	Master Dimmer
2	—	Dimmer 2	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	—

07 DMX CHANNEL ASSIGNMENT

7.1 Channel overview (continued)

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
12	—	—	Color Macro	Tint
13	—	—	Color Macro Crossfade	Device Settings
14	—	—	Device Settings	—

07 DMX CHANNEL ASSIGNMENT

7.1 Channel overview (continued)

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	Effect	Red 2 Fine
21	Tint	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

07 DMX CHANNEL ASSIGNMENT

7.1 Channel overview (continued)

CH	22CH STANDARD RGB	24CH EXTENDED RGB	33CH EXTENDED RGB
29	—	—	Effect
30	—	—	Dimmer Curve
31	—	—	Dimmer Response
32	—	—	Redshift
33	—	—	Device Settings

07 DMX CHANNEL ASSIGNMENT

7.1 Channel overview (continued)

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	Red 2	White 1
16	—	—	Tint	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

07 DMX CHANNEL ASSIGNMENT

7.1 Channel overview (continued)

CH	10CH DIRECT	12CH DIRECT	17CH DIRECT	28CH DIRECT	41CH DIRECT
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

07 DMX CHANNEL ASSIGNMENT

7.2 1CH DWE / 2CH DWE / 4CH DWE

1CH DWE

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

2CH DWE

CH	Function	Value	Setting	Remark
1	Dimmer 1	000-255	0 - 100%	
2	Dimmer 2	000-255	0 - 100%	

4CH DWE

CH	Function	Value	Setting	Remark
1	Dimmer	000-255	0 - 100%	
2	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	
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	Redshift affects only CCT 2700-3500 K
		085-170	Redshift off	

07 DMX CHANNEL ASSIGNMENT

7.2 9CH DWE+

CH	Function	Value	Setting	Remark
4	Redshift (cont.)	171-255	Redshift on	

9CH DWE+

CH	Function	Value	Setting	Remark
1	Master Dimmer	000-255	0 - 100%	
2	Shutter	000-019	Shutter closed	
		020-024	Shutter open	
		025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	
		070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	
		090-104	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)	

07 DMX CHANNEL ASSIGNMENT

7.2 9CH DWE+ (continued)

CH	Function	Value	Setting	Remark
2	Shutter (cont.)	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	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see 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	

07 DMX CHANNEL ASSIGNMENT

7.2 6CH STROBE

CH	Function	Value	Setting	Remark
8	Dimmer Response (cont.)	192-255	Halogen / slow	
9	Redshift	000-084	No function - current preset from menu settings	Redshift affects only CCT 2700-3500 K
		085-170	Redshift off	
		171-255	Redshift on	

6CH STROBE

CH	Function	Value	Setting	Remark
1	Master Dimmer	000-255	0 - 100%	
2	Shutter	000-019	Shutter closed	
		020-024	Shutter open	
		025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	
		070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	
		090-104	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	

07 DMX CHANNEL ASSIGNMENT

7.2 6CH RGB

CH	Function	Value	Setting	Remark
2	Shutter (cont.)	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% (0 ms - 510 ms)	Only affects Strobe 1 (Shutter 025-064)
4	Dimmer 1	000-255	0 - 100%	
5	Dimmer 2	000-255	0 - 100%	
6	CTC	000-004	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	

6CH RGB

CH	Function	Value	Setting	Remark
1	Red 1	000-255	0 - 100%	
2	Green 1	000-255	0 - 100%	

07 DMX CHANNEL ASSIGNMENT

7.2 10CH BASIC RGB

CH	Function	Value	Setting	Remark
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	000-019	Shutter closed	
		020-024	Shutter open	
		025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	
		070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	
		090-104	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	

07 DMX CHANNEL ASSIGNMENT

7.2 10CH BASIC RGB (continued)

CH	Function	Value	Setting	Remark
2	Shutter (cont.)	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	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	
7	Tint (affects CTC and RGB)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	
8	Color Macro (overrides RGB/CTC)	000-255	See colour macro chart	

07 DMX CHANNEL ASSIGNMENT

7.2 10CH BASIC RGB (continued)

CH	Function	Value	Setting	Remark
9	Color Macro Crossfade	000-005	No function	
		006-105	0.1 s - 10 s (0.1 s steps)	
		106-214	11 s - 119 s (1 s steps)	
		215-244	2 m - 4 m 50 s (10 s steps)	
		245-255	5 m - 15 m (1 m steps)	
10	Device Settings *1	000-029	No function	
		030-034	Display backlight on (hold 3 s)	
		035-039	Display backlight off (hold 3 s)	
		040-044	No function	
		045-049	DMX fail: blackout (hold 3 s)	
		050-054	DMX fail: hold (hold 3 s)	
		055-059	DMX fail: emergency light (hold 3 s)	
		060-064	No function	
		065-069	Linear dimmer curve (hold 1.5 s)	
		070-074	Exponential dimmer curve (hold 1.5 s)	
		075-079	Logarithmic dimmer curve (hold 1.5 s)	
		080-084	S-curve dimmer curve (hold 1.5 s)	
		085-089	No function	
		090-094	LED (fast) dimmer response (hold 1.5 s)	
		095-099	Medium dimmer response (hold 1.5 s)	
		100-104	Halogen (slow) dimmer response (hold 1.5 s)	

07 DMX CHANNEL ASSIGNMENT

7.2 10CH BASIC RGB (continued)

CH	Function	Value	Setting	Remark
10	Device Settings *1 (cont.)	105-109	No function	
		110-114	Redshift on (hold 1.5 s, affects only 2700-3500 K)	
		115-119	Redshift off (hold 1.5 s)	
		120-124	No function	
		125-129	Full calibration (colours & CCT, hold 3 s)	
		130-134	CCT calibration (RAW colours, hold 3 s)	
		135-139	No function	
		140-144	LED frequency 800 Hz (hold 3 s)	
		145-149	LED frequency 1200 Hz (hold 3 s)	
		150-154	LED frequency 2000 Hz (hold 3 s)	
		155-159	LED frequency 3600 Hz (hold 3 s)	
		160-164	LED frequency 12 kHz (hold 3 s)	
		165-169	LED frequency 25 kHz (hold 3 s)	
		170-174	No function	
		175-179	Fan auto (hold 3 s)	
		180-184	Fan silent (hold 3 s)	
		185-189	Fan off (hold 3 s)	
		190-194	Fan high power (hold 3 s)	
		195-199	No function	
		200-214	Invert mapping off (hold 3 s)	
		215-219	Invert mapping on (hold 3 s)	

07 DMX CHANNEL ASSIGNMENT

7.2 14CH BASIC RGB

CH	Function	Value	Setting	Remark
10	Device Settings *1 (cont.)	220-224	No function	
		225-229	LED mode: illumination (hold 1.5 s)	
		230-234	LED mode: boost (hold 1.5 s)	
		235-239	No function	
		240-244	Factory reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250
		245-249	User reset (hold 3 s)	Reset only starts if the 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	000-019	Shutter closed	
		020-024	Shutter open	
		025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	
		070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	
		090-104	Strobe 3: closing pulse (fast → slow)	
		105-109	Shutter open	
		110-124	Strobe 4: random strobe (fast → slow)	
		125-129	Shutter open	

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7.2 14CH BASIC RGB (continued)

CH	Function	Value	Setting	Remark
3	Shutter (cont.)	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	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	

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7.2 14CH BASIC RGB (continued)

CH	Function	Value	Setting	Remark
10	CTC (affects RGB) (cont.)	226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	
11	Tint (affects CTC and RGB)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	
12	Color Macro (overrides RGB/CTC)	000-255	See colour macro chart	
13	Color Macro Crossfade	000-005	No function	
		006-105	0.1 s - 10 s (0.1 s steps)	
		106-214	11 s - 119 s (1 s steps)	
		215-244	2 m - 4 m 50 s (10 s steps)	
		245-255	5 m - 15 m (1 m steps)	
14	Device Settings *1	000-029	No function	
		030-034	Display backlight on (hold 3 s)	
		035-039	Display backlight off (hold 3 s)	
		040-044	No function	
		045-049	DMX fail: blackout (hold 3 s)	
		050-054	DMX fail: hold (hold 3 s)	
		055-059	DMX fail: emergency light (hold 3 s)	
		060-064	No function	
		065-069	Linear dimmer curve (hold 1.5 s)	
		070-074	Exponential dimmer curve (hold 1.5 s)	

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7.2 14CH BASIC RGB (continued)

CH	Function	Value	Setting	Remark
14	Device Settings *1 (cont.)	075-079	Logarithmic dimmer curve (hold 1.5 s)	
		080-084	S-curve dimmer curve (hold 1.5 s)	
		085-089	No function	
		090-094	LED (fast) dimmer response (hold 1.5 s)	
		095-099	Medium dimmer response (hold 1.5 s)	
		100-104	Halogen (slow) dimmer response (hold 1.5 s)	
		105-109	No function	
		110-114	Redshift on (hold 1.5 s, affects only 2700-3500 K)	
		115-119	Redshift off (hold 1.5 s)	
		120-124	No function	
		125-129	Full calibration (colours & CCT, hold 3 s)	
		130-134	CCT calibration (RAW colours, hold 3 s)	
		135-139	No function	
		140-144	LED frequency 800 Hz (hold 3 s)	
		145-149	LED frequency 1200 Hz (hold 3 s)	
		150-154	LED frequency 2000 Hz (hold 3 s)	
		155-159	LED frequency 3600 Hz (hold 3 s)	
		160-164	LED frequency 12 kHz (hold 3 s)	
		165-169	LED frequency 25 kHz (hold 3 s)	
		170-174	No function	

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7.2 13CH STANDARD RGB

CH	Function	Value	Setting	Remark
14	Device Settings *1 (cont.)	175-179	Fan auto (hold 3 s)	
		180-184	Fan silent (hold 3 s)	
		185-189	Fan off (hold 3 s)	
		190-194	Fan high power (hold 3 s)	
		195-199	No function	
		200-214	Invert mapping off (hold 3 s)	
		215-219	Invert mapping on (hold 3 s)	
		220-224	No function	
		225-229	LED mode: illumination (hold 1.5 s)	
		230-234	LED mode: boost (hold 1.5 s)	
		235-239	No function	
		240-244	Factory reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250
		245-249	User reset (hold 3 s)	Reset only starts if the 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%	
2	Shutter	000-019	Shutter closed	
		020-024	Shutter open	
		025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	

07 DMX CHANNEL ASSIGNMENT

7.2 13CH STANDARD RGB (continued)

CH	Function	Value	Setting	Remark
2	Shutter (cont.)	070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	
		090-104	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	Dimmer 1	000-255	0 - 100%	
4	Red 1	000-255	0 - 100%	
5	Green 1	000-255	0 - 100%	

07 DMX CHANNEL ASSIGNMENT

7.2 13CH STANDARD RGB (continued)

CH	Function	Value	Setting	Remark
6	Blue 1	000-255	0 - 100%	
7	Dimmer 2	000-255	0 - 100%	
8	Red 2	000-255	0 - 100%	
9	Green 2	000-255	0 - 100%	
10	Blue 2	000-255	0 - 100%	
11	CTC (affects RGB 1+2)	000-004	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	
12	Tint (affects CTC and RGB 1+2)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	
13	Device Settings *1	000-029	No function	
		030-034	Display backlight on (hold 3 s)	
		035-039	Display backlight off (hold 3 s)	
		040-044	No function	
		045-049	DMX fail: blackout (hold 3 s)	
		050-054	DMX fail: hold (hold 3 s)	
		055-059	DMX fail: emergency light (hold 3 s)	
		060-064	No function	

07 DMX CHANNEL ASSIGNMENT

7.2 13CH STANDARD RGB (continued)

CH	Function	Value	Setting	Remark
13	Device Settings *1 (cont.)	065-069	Linear dimmer curve (hold 1.5 s)	
		070-074	Exponential dimmer curve (hold 1.5 s)	
		075-079	Logarithmic dimmer curve (hold 1.5 s)	
		080-084	S-curve dimmer curve (hold 1.5 s)	
		085-089	No function	
		090-094	LED (fast) dimmer response (hold 1.5 s)	
		095-099	Medium dimmer response (hold 1.5 s)	
		100-104	Halogen (slow) dimmer response (hold 1.5 s)	
		105-109	No function	
		110-114	Redshift on (hold 1.5 s, affects only 2700-3500 K)	
		115-119	Redshift off (hold 1.5 s)	
		120-124	No function	
		125-129	Full calibration (colours & CCT, hold 3 s)	
		130-134	CCT calibration (RAW colours, hold 3 s)	
		135-139	No function	
		140-144	LED frequency 800 Hz (hold 3 s)	
		145-149	LED frequency 1200 Hz (hold 3 s)	
		150-154	LED frequency 2000 Hz (hold 3 s)	
		155-159	LED frequency 3600 Hz (hold 3 s)	
		160-164	LED frequency 12 kHz (hold 3 s)	

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7.2 22CH STANDARD RGB

CH	Function	Value	Setting	Remark
13	Device Settings *1 (cont.)	165-169	LED frequency 25 kHz (hold 3 s)	
		170-174	No function	
		175-179	Fan auto (hold 3 s)	
		180-184	Fan silent (hold 3 s)	
		185-189	Fan off (hold 3 s)	
		190-194	Fan high power (hold 3 s)	
		195-199	No function	
		200-214	Invert mapping off (hold 3 s)	
		215-219	Invert mapping on (hold 3 s)	
		220-224	No function	
		225-229	LED mode: illumination (hold 1.5 s)	
		230-234	LED mode: boost (hold 1.5 s)	
		235-239	No function	
		240-244	Factory reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250
		245-249	User reset (hold 3 s)	Reset only starts if the 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	Master Dimmer Fine	000-255	0 - 100%	
3	Shutter	000-019	Shutter closed	

07 DMX CHANNEL ASSIGNMENT

7.2 22CH STANDARD RGB (continued)

CH	Function	Value	Setting	Remark
3	Shutter (cont.)	020-024	Shutter open	
		025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	
		070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	
		090-104	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	

07 DMX CHANNEL ASSIGNMENT

7.2 22CH STANDARD RGB (continued)

CH	Function	Value	Setting	Remark
4	Dimmer 1	000-255	0 - 100%	
5	Dimmer 1 Fine	000-255	0 - 100%	
6	Red 1	000-255	0 - 100%	
7	Red 1 Fine	000-255	0 - 100%	
8	Green 1	000-255	0 - 100%	
9	Green 1 Fine	000-255	0 - 100%	
10	Blue 1	000-255	0 - 100%	
11	Blue 1 Fine	000-255	0 - 100%	
12	Dimmer 2	000-255	0 - 100%	
13	Dimmer 2 Fine	000-255	0 - 100%	
14	Red 2	000-255	0 - 100%	
15	Red 2 Fine	000-255	0 - 100%	
16	Green 2	000-255	0 - 100%	
17	Green 2 Fine	000-255	0 - 100%	
18	Blue 2	000-255	0 - 100%	
19	Blue 2 Fine	000-255	0 - 100%	
20	CTC (affects RGB 1+2)	000-004	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	

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7.2 22CH STANDARD RGB (continued)

CH	Function	Value	Setting	Remark
21	Tint (affects CTC and RGB 1+2)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	
22	Device Settings *1	000-029	No function	
		030-034	Display backlight on (hold 3 s)	
		035-039	Display backlight off (hold 3 s)	
		040-044	No function	
		045-049	DMX fail: blackout (hold 3 s)	
		050-054	DMX fail: hold (hold 3 s)	
		055-059	DMX fail: emergency light (hold 3 s)	
		060-064	No function	
		065-069	Linear dimmer curve (hold 1.5 s)	
		070-074	Exponential dimmer curve (hold 1.5 s)	
		075-079	Logarithmic dimmer curve (hold 1.5 s)	
		080-084	S-curve dimmer curve (hold 1.5 s)	
		085-089	No function	
		090-094	LED (fast) dimmer response (hold 1.5 s)	
		095-099	Medium dimmer response (hold 1.5 s)	
		100-104	Halogen (slow) dimmer response (hold 1.5 s)	
		105-109	No function	
		110-114	Redshift on (hold 1.5 s, affects only 2700-3500 K)	

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7.2 22CH STANDARD RGB (continued)

CH	Function	Value	Setting	Remark
22	Device Settings *1 (cont.)	115-119	Redshift off (hold 1.5 s)	
		120-124	No function	
		125-129	Full calibration (colours & CCT, hold 3 s)	
		130-134	CCT calibration (RAW colours, hold 3 s)	
		135-139	No function	
		140-144	LED frequency 800 Hz (hold 3 s)	
		145-149	LED frequency 1200 Hz (hold 3 s)	
		150-154	LED frequency 2000 Hz (hold 3 s)	
		155-159	LED frequency 3600 Hz (hold 3 s)	
		160-164	LED frequency 12 kHz (hold 3 s)	
		165-169	LED frequency 25 kHz (hold 3 s)	
		170-174	No function	
		175-179	Fan auto (hold 3 s)	
		180-184	Fan silent (hold 3 s)	
		185-189	Fan off (hold 3 s)	
		190-194	Fan high power (hold 3 s)	
		195-199	No function	
		200-214	Invert mapping off (hold 3 s)	
		215-219	Invert mapping on (hold 3 s)	
		220-224	No function	
		225-229	LED mode: illumination (hold 1.5 s)	
		230-234	LED mode: boost (hold 1.5 s)	

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7.2 24CH EXTENDED RGB

CH	Function	Value	Setting	Remark
22	Device Settings *1 (cont.)	235-239	No function	
		240-244	Factory reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250
		245-249	User reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250, no self-test by DMX
		250-255	No function	

24CH EXTENDED RGB

CH	Function	Value	Setting	Remark
1	Master Dimmer	000-255	0 - 100%	
2	Shutter	000-019	Shutter closed	
		020-024	Shutter open	
		025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	
		070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	
		090-104	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)	

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7.2 24CH EXTENDED RGB (continued)

CH	Function	Value	Setting	Remark
2	Shutter (cont.)	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% (0 ms - 510 ms)	Only affects Strobe 1 (Shutter 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 1 (affects RGB 1)	000-004	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	
9	Tint 1 (affects CTC 1 and RGB 1)	000-127	Magenta → Neutral	

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7.2 24CH EXTENDED RGB (continued)

CH	Function	Value	Setting	Remark
9	Tint 1 (affects CTC 1 and RGB 1) (cont.)	128-128	Neutral	
		129-255	Neutral → Green	
10	Color Macro 1 (overrides RGB 1/CTC 1)	000-255	See colour macro chart	
11	Color Macro Crossfade 1	000-005	No function	
		006-105	0.1 s - 10 s (0.1 s steps)	
		106-214	11 s - 119 s (1 s steps)	
		215-244	2 m - 4 m 50 s (10 s steps)	
		245-255	5 m - 15 m (1 m 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 2 (affects RGB 2)	000-004	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	
17	Tint 2 (affects CTC 2 and RGB 2)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	

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7.2 24CH EXTENDED RGB (continued)

CH	Function	Value	Setting	Remark
18	Color Macro 2 (overrides RGB 2/CTC 2)	000-255	See colour macro chart	
19	Color Macro Crossfade 2	000-005	No function	
		006-105	0.1 s - 10 s (0.1 s steps)	
		106-214	11 s - 119 s (1 s steps)	
		215-244	2 m - 4 m 50 s (10 s steps)	
		245-255	5 m - 15 m (1 m steps)	
20	Effect (overrides RGB, CTC, 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)	
		232-255	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	

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7.2 24CH EXTENDED RGB (continued)

CH	Function	Value	Setting	Remark
21	Dimmer Curve (cont.)	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 CCT 2700-3500 K
		085-170	Redshift off	
		171-255	Redshift on	
24	Device Settings *1	000-029	No function	
		030-034	Display backlight on (hold 3 s)	
		035-039	Display backlight off (hold 3 s)	
		040-044	No function	
		045-049	DMX fail: blackout (hold 3 s)	
		050-054	DMX fail: hold (hold 3 s)	
		055-059	DMX fail: emergency light (hold 3 s)	
		060-064	No function	
		065-069	Linear dimmer curve (hold 1.5 s)	
		070-074	Exponential dimmer curve (hold 1.5 s)	
		075-079	Logarithmic dimmer curve (hold 1.5 s)	
		080-084	S-curve dimmer curve (hold 1.5 s)	
		085-089	No function	

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7.2 24CH EXTENDED RGB (continued)

CH	Function	Value	Setting	Remark
24	Device Settings *1 (cont.)	090-094	LED (fast) dimmer response (hold 1.5 s)	
		095-099	Medium dimmer response (hold 1.5 s)	
		100-104	Halogen (slow) dimmer response (hold 1.5 s)	
		105-109	No function	
		110-114	Redshift on (hold 1.5 s, affects only 2700-3500 K)	
		115-119	Redshift off (hold 1.5 s)	
		120-124	No function	
		125-129	Full calibration (colours & CCT, hold 3 s)	
		130-134	CCT calibration (RAW colours, hold 3 s)	
		135-139	No function	
		140-144	LED frequency 800 Hz (hold 3 s)	
		145-149	LED frequency 1200 Hz (hold 3 s)	
		150-154	LED frequency 2000 Hz (hold 3 s)	
		155-159	LED frequency 3600 Hz (hold 3 s)	
		160-164	LED frequency 12 kHz (hold 3 s)	
		165-169	LED frequency 25 kHz (hold 3 s)	
		170-174	No function	
		175-179	Fan auto (hold 3 s)	
		180-184	Fan silent (hold 3 s)	
		185-189	Fan off (hold 3 s)	

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7.2 33CH EXTENDED RGB

CH	Function	Value	Setting	Remark
24	Device Settings *1 (cont.)	190-194	Fan high power (hold 3 s)	
		195-199	No function	
		200-214	Invert mapping off (hold 3 s)	
		215-219	Invert mapping on (hold 3 s)	
		220-224	No function	
		225-229	LED mode: illumination (hold 1.5 s)	
		230-234	LED mode: boost (hold 1.5 s)	
		235-239	No function	
		240-244	Factory reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250
		245-249	User reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250, no self-test by DMX
		250-255	No function	

33CH EXTENDED RGB

CH	Function	Value	Setting	Remark
1	Master Dimmer	000-255	0 - 100%	
2	Master Dimmer Fine	000-255	0 - 100%	
3	Shutter	000-019	Shutter closed	
		020-024	Shutter open	
		025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	
		070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	

07 DMX CHANNEL ASSIGNMENT

7.2 33CH EXTENDED RGB (continued)

CH	Function	Value	Setting	Remark
3	Shutter (cont.)	090-104	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% (0 ms - 510 ms)	Only affects Strobe 1 (Shutter 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 1 Fine	000-255	0 - 100%	

07 DMX CHANNEL ASSIGNMENT

7.2 33CH EXTENDED RGB (continued)

CH	Function	Value	Setting	Remark
9	Green 1	000-255	0 - 100%	
10	Green 1 Fine	000-255	0 - 100%	
11	Blue 1	000-255	0 - 100%	
12	Blue 1 Fine	000-255	0 - 100%	
13	CTC 1 (affects RGB 1)	000-004	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	
14	Tint 1 (affects CTC 1 and RGB 1)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	
15	Color Macro 1 (overrides RGB 1/CTC 1)	000-255	See colour macro chart	
16	Color Macro Crossfade 1	000-005	No function	
		006-105	0.1 s - 10 s (0.1 s steps)	
		106-214	11 s - 119 s (1 s steps)	
		215-244	2 m - 4 m 50 s (10 s steps)	
		245-255	5 m - 15 m (1 m steps)	
17	Dimmer 2	000-255	0 - 100%	
18	Dimmer 2 Fine	000-255	0 - 100%	

07 DMX CHANNEL ASSIGNMENT

7.2 33CH EXTENDED RGB (continued)

CH	Function	Value	Setting	Remark
19	Red 2	000-255	0 - 100%	
20	Red 2 Fine	000-255	0 - 100%	
21	Green 2	000-255	0 - 100%	
22	Green 2 Fine	000-255	0 - 100%	
23	Blue 2	000-255	0 - 100%	
24	Blue 2 Fine	000-255	0 - 100%	
25	CTC 2 (affects RGB 2)	000-004	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	
26	Tint 2 (affects CTC 2 and RGB 2)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	
27	Color Macro 2 (overrides RGB 2/CTC 2)	000-255	See colour macro chart	
28	Color Macro Crossfade 2	000-005	No function	
		006-105	0.1 s - 10 s (0.1 s steps)	
		106-214	11 s - 119 s (1 s steps)	
		215-244	2 m - 4 m 50 s (10 s steps)	
		245-255	5 m - 15 m (1 m steps)	

07 DMX CHANNEL ASSIGNMENT

7.2 33CH EXTENDED RGB (continued)

CH	Function	Value	Setting	Remark
29	Effect (overrides RGB, CTC, 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)	
		232-255	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	

07 DMX CHANNEL ASSIGNMENT

7.2 33CH EXTENDED RGB (continued)

CH	Function	Value	Setting	Remark
32	Redshift	000-084	No function - current preset from menu settings	Redshift affects only CCT 2700-3500 K
		085-170	Redshift off	
		171-255	Redshift on	
33	Device Settings *1	000-029	No function	
		030-034	Display backlight on (hold 3 s)	
		035-039	Display backlight off (hold 3 s)	
		040-044	No function	
		045-049	DMX fail: blackout (hold 3 s)	
		050-054	DMX fail: hold (hold 3 s)	
		055-059	DMX fail: emergency light (hold 3 s)	
		060-064	No function	
		065-069	Linear dimmer curve (hold 1.5 s)	
		070-074	Exponential dimmer curve (hold 1.5 s)	
		075-079	Logarithmic dimmer curve (hold 1.5 s)	
		080-084	S-curve dimmer curve (hold 1.5 s)	
		085-089	No function	
		090-094	LED (fast) dimmer response (hold 1.5 s)	
		095-099	Medium dimmer response (hold 1.5 s)	
		100-104	Halogen (slow) dimmer response (hold 1.5 s)	
		105-109	No function	
		110-114	Redshift on (hold 1.5 s, affects only 2700-3500 K)	

07 DMX CHANNEL ASSIGNMENT

7.2 33CH EXTENDED RGB (continued)

CH	Function	Value	Setting	Remark
33	Device Settings *1 (cont.)	115-119	Redshift off (hold 1.5 s)	
		120-124	No function	
		125-129	Full calibration (colours & CCT, hold 3 s)	
		130-134	CCT calibration (RAW colours, hold 3 s)	
		135-139	No function	
		140-144	LED frequency 800 Hz (hold 3 s)	
		145-149	LED frequency 1200 Hz (hold 3 s)	
		150-154	LED frequency 2000 Hz (hold 3 s)	
		155-159	LED frequency 3600 Hz (hold 3 s)	
		160-164	LED frequency 12 kHz (hold 3 s)	
		165-169	LED frequency 25 kHz (hold 3 s)	
		170-174	No function	
		175-179	Fan auto (hold 3 s)	
		180-184	Fan silent (hold 3 s)	
		185-189	Fan off (hold 3 s)	
		190-194	Fan high power (hold 3 s)	
		195-199	No function	
		200-214	Invert mapping off (hold 3 s)	
		215-219	Invert mapping on (hold 3 s)	
		220-224	No function	
		225-229	LED mode: illumination (hold 1.5 s)	
		230-234	LED mode: boost (hold 1.5 s)	

07 DMX CHANNEL ASSIGNMENT

7.2 10CH DIRECT / 12CH DIRECT

CH	Function	Value	Setting	Remark
33	Device Settings *1 (cont.)	235-239	No function	
		240-244	Factory reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250
		245-249	User reset (hold 3 s)	Reset only starts if the 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	Blue 1	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	Blue 2	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	000-019	Shutter closed	
		020-024	Shutter open	

07 DMX CHANNEL ASSIGNMENT

7.2 12CH DIRECT (continued)

CH	Function	Value	Setting	Remark
2	Shutter (cont.)	025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	
		070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	
		090-104	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%	

07 DMX CHANNEL ASSIGNMENT

7.2 12CH DIRECT (continued)

CH	Function	Value	Setting	Remark
4	Green	000-255	0 - 100%	
5	Blue	000-255	0 - 100%	
6	Amber	000-255	0 - 100%	
7	White	000-255	0 - 100%	
8	CTC (affects RGBAW)	000-004	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	
9	Tint (affects CTC and RGBAW)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	
10	Color Macro (overrides RGBAW/CTC)	000-255	See colour macro chart	
11	Color Macro Crossfade	000-005	No function	
		006-105	0.1 s - 10 s (0.1 s steps)	
		106-214	11 s - 119 s (1 s steps)	
		215-244	2 m - 4 m 50 s (10 s steps)	
		245-255	5 m - 15 m (1 m steps)	
12	Device Settings *1	000-029	No function	
		030-034	Display backlight on (hold 3 s)	

07 DMX CHANNEL ASSIGNMENT

7.2 12CH DIRECT (continued)

CH	Function	Value	Setting	Remark
12	Device Settings *1 (cont.)	035-039	Display backlight off (hold 3 s)	
		040-044	No function	
		045-049	DMX fail: blackout (hold 3 s)	
		050-054	DMX fail: hold (hold 3 s)	
		055-059	DMX fail: emergency light (hold 3 s)	
		060-064	No function	
		065-069	Linear dimmer curve (hold 1.5 s)	
		070-074	Exponential dimmer curve (hold 1.5 s)	
		075-079	Logarithmic dimmer curve (hold 1.5 s)	
		080-084	S-curve dimmer curve (hold 1.5 s)	
		085-089	No function	
		090-094	LED (fast) dimmer response (hold 1.5 s)	
		095-099	Medium dimmer response (hold 1.5 s)	
		100-104	Halogen (slow) dimmer response (hold 1.5 s)	
		105-109	No function	
		110-114	Redshift on (hold 1.5 s, affects only 2700-3500 K)	
		115-119	Redshift off (hold 1.5 s)	
		120-124	No function	
		125-129	Full calibration (colours & CCT, hold 3 s)	
		130-134	CCT calibration (RAW colours, hold 3 s)	

07 DMX CHANNEL ASSIGNMENT

7.2 12CH DIRECT (continued)

CH	Function	Value	Setting	Remark
12	Device Settings *1 (cont.)	135-139	No function	
		140-144	LED frequency 800 Hz (hold 3 s)	
		145-149	LED frequency 1200 Hz (hold 3 s)	
		150-154	LED frequency 2000 Hz (hold 3 s)	
		155-159	LED frequency 3600 Hz (hold 3 s)	
		160-164	LED frequency 12 kHz (hold 3 s)	
		165-169	LED frequency 25 kHz (hold 3 s)	
		170-174	No function	
		175-179	Fan auto (hold 3 s)	
		180-184	Fan silent (hold 3 s)	
		185-189	Fan off (hold 3 s)	
		190-194	Fan high power (hold 3 s)	
		195-199	No function	
		200-214	Invert mapping off (hold 3 s)	
		215-219	Invert mapping on (hold 3 s)	
		220-224	No function	
		225-229	LED mode: illumination (hold 1.5 s)	
		230-234	LED mode: boost (hold 1.5 s)	
		235-239	No function	
		240-244	Factory reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250
		245-249	User reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250, no self-test by DMX
		250-255	No function	

07 DMX CHANNEL ASSIGNMENT

7.2 17CH DIRECT

17CH DIRECT

CH	Function	Value	Setting	Remark
1	Master Dimmer	000-255	0 - 100%	
2	Shutter	000-019	Shutter closed	
		020-024	Shutter open	
		025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	
		070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	
		090-104	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)	

07 DMX CHANNEL ASSIGNMENT

7.2 17CH DIRECT (continued)

CH	Function	Value	Setting	Remark
2	Shutter (cont.)	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	Green 1	000-255	0 - 100%	
6	Blue 1	000-255	0 - 100%	
7	Amber 1	000-255	0 - 100%	
8	White 1	000-255	0 - 100%	
9	Dimmer 2	000-255	0 - 100%	
10	Red 2	000-255	0 - 100%	
11	Green 2	000-255	0 - 100%	
12	Blue 2	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	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	
16	Tint (affects CTC and RGBAW 1+2)	000-127	Magenta → Neutral	

07 DMX CHANNEL ASSIGNMENT

7.2 17CH DIRECT (continued)

CH	Function	Value	Setting	Remark
16	Tint (affects CTC and RGBAW 1+2) (cont.)	128-128	Neutral	
		129-255	Neutral → Green	
17	Device Settings *1	000-029	No function	
		030-034	Display backlight on (hold 3 s)	
		035-039	Display backlight off (hold 3 s)	
		040-044	No function	
		045-049	DMX fail: blackout (hold 3 s)	
		050-054	DMX fail: hold (hold 3 s)	
		055-059	DMX fail: emergency light (hold 3 s)	
		060-064	No function	
		065-069	Linear dimmer curve (hold 1.5 s)	
		070-074	Exponential dimmer curve (hold 1.5 s)	
		075-079	Logarithmic dimmer curve (hold 1.5 s)	
		080-084	S-curve dimmer curve (hold 1.5 s)	
		085-089	No function	
		090-094	LED (fast) dimmer response (hold 1.5 s)	
		095-099	Medium dimmer response (hold 1.5 s)	
		100-104	Halogen (slow) dimmer response (hold 1.5 s)	
		105-109	No function	
		110-114	Redshift on (hold 1.5 s, affects only 2700-3500 K)	
		115-119	Redshift off (hold 1.5 s)	

07 DMX CHANNEL ASSIGNMENT

7.2 17CH DIRECT (continued)

CH	Function	Value	Setting	Remark
17	Device Settings *1 (cont.)	120-124	No function	
		125-129	Full calibration (colours & CCT, hold 3 s)	
		130-134	CCT calibration (RAW colours, hold 3 s)	
		135-139	No function	
		140-144	LED frequency 800 Hz (hold 3 s)	
		145-149	LED frequency 1200 Hz (hold 3 s)	
		150-154	LED frequency 2000 Hz (hold 3 s)	
		155-159	LED frequency 3600 Hz (hold 3 s)	
		160-164	LED frequency 12 kHz (hold 3 s)	
		165-169	LED frequency 25 kHz (hold 3 s)	
		170-174	No function	
		175-179	Fan auto (hold 3 s)	
		180-184	Fan silent (hold 3 s)	
		185-189	Fan off (hold 3 s)	
		190-194	Fan high power (hold 3 s)	
		195-199	No function	
		200-214	Invert mapping off (hold 3 s)	
		215-219	Invert mapping on (hold 3 s)	
		220-224	No function	
		225-229	LED mode: illumination (hold 1.5 s)	
		230-234	LED mode: boost (hold 1.5 s)	
		235-239	No function	

07 DMX CHANNEL ASSIGNMENT

7.2 28CH DIRECT

CH	Function	Value	Setting	Remark
17	Device Settings *1 (cont.)	240-244	Factory reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250
		245-249	User reset (hold 3 s)	Reset only starts if the 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%	
2	Shutter	000-019	Shutter closed	
		020-024	Shutter open	
		025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	
		070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	
		090-104	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	

07 DMX CHANNEL ASSIGNMENT

7.2 28CH DIRECT (continued)

CH	Function	Value	Setting	Remark
2	Shutter (cont.)	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% (0 ms - 510 ms)	Only affects Strobe 1 (Shutter 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	Amber 1	000-255	0 - 100%	
9	White 1	000-255	0 - 100%	
10	CTC 1 (affects RGBAW 1)	000-004	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	

07 DMX CHANNEL ASSIGNMENT

7.2 28CH DIRECT (continued)

CH	Function	Value	Setting	Remark
11	Tint 1 (affects CTC 1 and RGBAW 1)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	
12	Color Macro 1 (overrides RGBAW 1/CTC 1)	000-255	See colour macro chart	
13	Color Macro Crossfade 1	000-005	No function	
		006-105	0.1 s - 10 s (0.1 s steps)	
		106-214	11 s - 119 s (1 s steps)	
		215-244	2 m - 4 m 50 s (10 s steps)	
		245-255	5 m - 15 m (1 m steps)	
14	Dimmer 2	000-255	0 - 100%	
15	Red 2	000-255	0 - 100%	
16	Green 2	000-255	0 - 100%	
17	Blue 2	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	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	

07 DMX CHANNEL ASSIGNMENT

7.2 28CH DIRECT (continued)

CH	Function	Value	Setting	Remark
21	Tint 2 (affects CTC 2 and RGBAW 2)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	
22	Color Macro 2 (overrides RGBAW 2/CTC 2)	000-255	See colour macro chart	
23	Color Macro Crossfade 2	000-005	No function	
		006-105	0.1 s - 10 s (0.1 s steps)	
		106-214	11 s - 119 s (1 s steps)	
		215-244	2 m - 4 m 50 s (10 s steps)	
		245-255	5 m - 15 m (1 m steps)	
24	Effect (overrides RGB, CTC, 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)	
		232-255	Effect 10 (slow to fast)	

07 DMX CHANNEL ASSIGNMENT

7.2 28CH DIRECT (continued)

CH	Function	Value	Setting	Remark
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 CCT 2700-3500 K
		085-170	Redshift off	
		171-255	Redshift on	
28	Device Settings *1	000-029	No function	
		030-034	Display backlight on (hold 3 s)	
		035-039	Display backlight off (hold 3 s)	
		040-044	No function	
		045-049	DMX fail: blackout (hold 3 s)	
		050-054	DMX fail: hold (hold 3 s)	
		055-059	DMX fail: emergency light (hold 3 s)	
		060-064	No function	
		065-069	Linear dimmer curve (hold 1.5 s)	

07 DMX CHANNEL ASSIGNMENT

7.2 28CH DIRECT (continued)

CH	Function	Value	Setting	Remark
28	Device Settings *1 (cont.)	070-074	Exponential dimmer curve (hold 1.5 s)	
		075-079	Logarithmic dimmer curve (hold 1.5 s)	
		080-084	S-curve dimmer curve (hold 1.5 s)	
		085-089	No function	
		090-094	LED (fast) dimmer response (hold 1.5 s)	
		095-099	Medium dimmer response (hold 1.5 s)	
		100-104	Halogen (slow) dimmer response (hold 1.5 s)	
		105-109	No function	
		110-114	Redshift on (hold 1.5 s, affects only 2700-3500 K)	
		115-119	Redshift off (hold 1.5 s)	
		120-124	No function	
		125-129	Full calibration (colours & CCT, hold 3 s)	
		130-134	CCT calibration (RAW colours, hold 3 s)	
		135-139	No function	
		140-144	LED frequency 800 Hz (hold 3 s)	
		145-149	LED frequency 1200 Hz (hold 3 s)	
		150-154	LED frequency 2000 Hz (hold 3 s)	
		155-159	LED frequency 3600 Hz (hold 3 s)	
		160-164	LED frequency 12 kHz (hold 3 s)	
		165-169	LED frequency 25 kHz (hold 3 s)	

07 DMX CHANNEL ASSIGNMENT

7.2 41CH DIRECT

CH	Function	Value	Setting	Remark
28	Device Settings *1 (cont.)	170-174	No function	
		175-179	Fan auto (hold 3 s)	
		180-184	Fan silent (hold 3 s)	
		185-189	Fan off (hold 3 s)	
		190-194	Fan high power (hold 3 s)	
		195-199	No function	
		200-214	Invert mapping off (hold 3 s)	
		215-219	Invert mapping on (hold 3 s)	
		220-224	No function	
		225-229	LED mode: illumination (hold 1.5 s)	
		230-234	LED mode: boost (hold 1.5 s)	
		235-239	No function	
		240-244	Factory reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250
		245-249	User reset (hold 3 s)	Reset only starts if the 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	Master Dimmer Fine	000-255	0 - 100%	
3	Shutter	000-019	Shutter closed	
		020-024	Shutter open	

07 DMX CHANNEL ASSIGNMENT

7.2 41CH DIRECT (continued)

CH	Function	Value	Setting	Remark
3	Shutter (cont.)	025-064	Strobe 1 (fast → slow)	
		065-069	Shutter open	
		070-084	Strobe 2: opening pulse (fast → slow)	
		085-089	Shutter open	
		090-104	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% (0 ms - 510 ms)	Only affects Strobe 1 (Shutter 025-064)

07 DMX CHANNEL ASSIGNMENT

7.2 41CH DIRECT (continued)

CH	Function	Value	Setting	Remark
5	Dimmer 1	000-255	0 - 100%	
6	Dimmer 1 Fine	000-255	0 - 100%	
7	Red 1	000-255	0 - 100%	
8	Red 1 Fine	000-255	0 - 100%	
9	Green 1	000-255	0 - 100%	
10	Green 1 Fine	000-255	0 - 100%	
11	Blue 1	000-255	0 - 100%	
12	Blue 1 Fine	000-255	0 - 100%	
13	Amber 1	000-255	0 - 100%	
14	Amber 1 Fine	000-255	0 - 100%	
15	White 1	000-255	0 - 100%	
16	White 1 Fine	000-255	0 - 100%	
17	CTC 1 (affects RGBAW 1)	000-004	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	
		226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	
18	Tint 1 (affects CTC 1 and RGBAW 1)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	

07 DMX CHANNEL ASSIGNMENT

7.2 41CH DIRECT (continued)

CH	Function	Value	Setting	Remark
19	Color Macro 1 (overrides RGBAW 1/CTC 1)	000-255	See colour macro chart	
20	Color Macro Crossfade 1	000-005	No function	
		006-105	0.1 s - 10 s (0.1 s steps)	
		106-214	11 s - 119 s (1 s steps)	
		215-244	2 m - 4 m 50 s (10 s steps)	
		245-255	5 m - 15 m (1 m 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 2 Fine	000-255	0 - 100%	
25	Green 2	000-255	0 - 100%	
26	Green 2 Fine	000-255	0 - 100%	
27	Blue 2	000-255	0 - 100%	
28	Blue 2 Fine	000-255	0 - 100%	
29	Amber 2	000-255	0 - 100%	
30	Amber 2 Fine	000-255	0 - 100%	
31	White 2	000-255	0 - 100%	
32	White 2 Fine	000-255	0 - 100%	
33	CTC 2 (affects RGBAW 2)	000-004	5600 K	According to CTC chart
		005-182	2000 K - 6500 K, linear in 20-21 K steps (see CTC chart)	
		182-182	5600 K	

07 DMX CHANNEL ASSIGNMENT

7.2 41CH DIRECT (continued)

CH	Function	Value	Setting	Remark
33	CTC 2 (affects RGBAW 2) (cont.)	226-226	6500 K	
		227-255	6621 K - 10000 K, linear in 120-121 K steps (see CTC chart)	
34	Tint 2 (affects CTC 2 and RGBAW 2)	000-127	Magenta → Neutral	
		128-128	Neutral	
		129-255	Neutral → Green	
35	Color Macro 2 (overrides RGBAW 2/CTC 2)	000-255	See colour macro chart	
36	Color Macro Crossfade 2	000-005	No function	
		006-105	0.1 s - 10 s (0.1 s steps)	
		106-214	11 s - 119 s (1 s steps)	
		215-244	2 m - 4 m 50 s (10 s steps)	
		245-255	5 m - 15 m (1 m steps)	
37	Effect (overrides RGB, CTC, 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)	

07 DMX CHANNEL ASSIGNMENT

7.2 41CH DIRECT (continued)

CH	Function	Value	Setting	Remark
37	Effect (overrides RGB, CTC, Color Macro 1+2) (cont.)	208-231	Effect 9 (slow to fast)	
		232-255	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 CCT 2700-3500 K
		085-170	Redshift off	
		171-255	Redshift on	
41	Device Settings *1	000-029	No function	
		030-034	Display backlight on (hold 3 s)	
		035-039	Display backlight off (hold 3 s)	
		040-044	No function	
		045-049	DMX fail: blackout (hold 3 s)	
		050-054	DMX fail: hold (hold 3 s)	
		055-059	DMX fail: emergency light (hold 3 s)	

07 DMX CHANNEL ASSIGNMENT

7.2 41CH DIRECT (continued)

CH	Function	Value	Setting	Remark
41	Device Settings *1 (cont.)	060-064	No function	
		065-069	Linear dimmer curve (hold 1.5 s)	
		070-074	Exponential dimmer curve (hold 1.5 s)	
		075-079	Logarithmic dimmer curve (hold 1.5 s)	
		080-084	S-curve dimmer curve (hold 1.5 s)	
		085-089	No function	
		090-094	LED (fast) dimmer response (hold 1.5 s)	
		095-099	Medium dimmer response (hold 1.5 s)	
		100-104	Halogen (slow) dimmer response (hold 1.5 s)	
		105-109	No function	
		110-114	Redshift on (hold 1.5 s, affects only 2700-3500 K)	
		115-119	Redshift off (hold 1.5 s)	
		120-124	No function	
		125-129	Full calibration (colours & CCT, hold 3 s)	
		130-134	CCT calibration (RAW colours, hold 3 s)	
		135-139	No function	
		140-144	LED frequency 800 Hz (hold 3 s)	
		145-149	LED frequency 1200 Hz (hold 3 s)	
		150-154	LED frequency 2000 Hz (hold 3 s)	
		155-159	LED frequency 3600 Hz (hold 3 s)	

07 DMX CHANNEL ASSIGNMENT

7.2 41CH DIRECT (continued)

CH	Function	Value	Setting	Remark
41	Device Settings *1 (cont.)	160-164	LED frequency 12 kHz (hold 3 s)	
		165-169	LED frequency 25 kHz (hold 3 s)	
		170-174	No function	
		175-179	Fan auto (hold 3 s)	
		180-184	Fan silent (hold 3 s)	
		185-189	Fan off (hold 3 s)	
		190-194	Fan high power (hold 3 s)	
		195-199	No function	
		200-214	Invert mapping off (hold 3 s)	
		215-219	Invert mapping on (hold 3 s)	
		220-224	No function	
		225-229	LED mode: illumination (hold 1.5 s)	
		230-234	LED mode: boost (hold 1.5 s)	
		235-239	No function	
		240-244	Factory reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250
		245-249	User reset (hold 3 s)	Reset only starts if the shutter channel is set to DMX 250, no self-test by DMX
		250-255	No function	

08 MAINTENANCE AND TROUBLESHOOTING

8.1 Maintenance

Regular maintenance considerably extends the service life of the fixture. In harsh environments, or when the fixture is stored for a long time, water and dust accumulate on the lens cover and housing. In this case clean the fixture to maintain the light output and to prevent dust and acidic gases from corroding the housing.

The cleaning interval depends on operating time and environment. Carefully clean the fixture with a soft cloth and common glass cleaner — at least every 20 days.

Caution: Do not wipe the housing with organic solvents such as alcohol — risk of damage.

08 MAINTENANCE AND TROUBLESHOOTING

8.2 General troubleshooting

Fault	Possible cause	Remedy
No menu display	1. No AC input 2. Switching power supply damaged 3. Display board failure	1. Check the power supply line 2. Check the switching power supply for voltage output 3. Replace the display board
DMX signal failed	1. DMX signal cable fault 2. Wrong wiring sequence of the signal cable 3. Receiver IC at the signal input damaged 4. DMX address does not match the console 5. Other parameters set incorrectly 6. Menu entry not confirmed with ENTER, or menu not left via ESC	1. Check or replace the signal cable 2. Check the wiring sequence of the signal cable 3. Check the receiver IC and the two resistors connected to the signal line 4. Check or reset the address, or restore factory settings and test again 5. Press ESC to return to the main menu
Housing temperature above 75 °C, temperature protection not triggered	1. Thermistor on the LED board faulty 2. Temperature control circuit on the display board faulty	1. Replace the thermistor 2. Check the temperature control circuit on the main board
Uneven colour mixing, uneven spots	1. LED soldering incorrect 2. Lens or bracket not installed correctly	1. Check the soldering of the LEDs 2. Check the lens assembly, adjust the bracket orientation
LEDs not lighting or flickering	LED damaged or driver board without current output	1. Replace the LED 2. Check the driver board wiring 3. Replace the corresponding driver IC
Parameters are not saved	Storage IC faulty	Replace the storage IC
Fixture does not power up	Temperature protection triggered by overheating; switching power supply not working	Wait for the fixture to cool down before switching on again

09 TECHNICAL DATA

9.1 Technical parameters

General	
Item number	led26900
Product	Expolite TourBlinder 600 FC
Optics	
Light source	2× 300 W LED (red, green, blue, amber, warm white)
Illuminance	26,000 lx @ 1 m; 3,400 lx @ 3 m; 1,500 lx @ 5 m; 820 lx @ 7 m; 399 lx @ 10 m
Colour temperature	2,000 K – 10,000 K (±100 K)
Optical system	Reflector with a composite ocular lens
Colour rendering index	Ra ≥ 86
Dominant wavelengths	R 630 nm / G 529 nm / B 461 nm
Light source life	50,000 h
Beam angle (50 %)	50°
Max. field angle (10 %)	87°
Pixel matrix	Point control / overall control
Strobe	0–20 Hz
Power	
Input voltage	100–240 V AC, 50–60 Hz
Power consumption	max. 610 W; constant 220 W
Power factor	0.95 (230 V)
Power connection	Waterproof input/output, max. 6 fixtures @ 230 V
Signal connection	3-pin, waterproof, input/output, max. 32 fixtures
Ambient temperature	–20 °C to +45 °C

09 TECHNICAL DATA

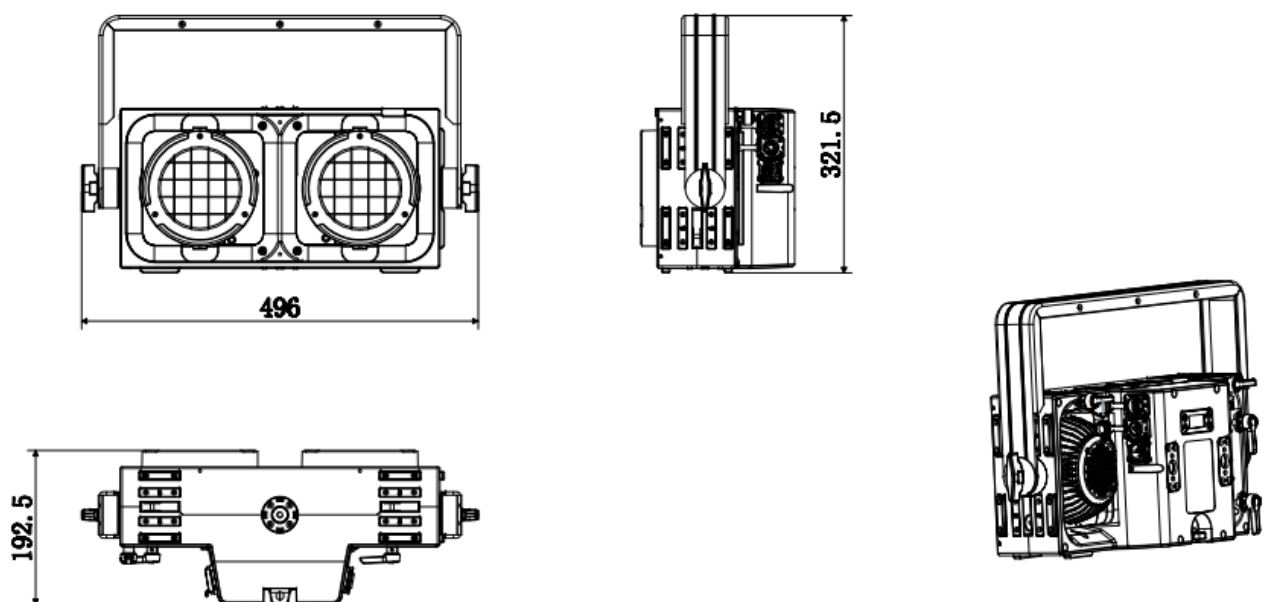
9.1 Technical parameters (continued)

Configuration	
Dimensions (W × H × D)	496 × 321.5 × 192.5 mm
Weight	10.3 kg
Ingress protection	IP65
Cooling	Fan
Housing	Die-cast aluminium, black
Mounting	Standing, hanging vertically, hanging sideways
Control	
Control	DMX512 / wired RDM
DMX modes	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
Display	OLED display with 4 buttons
LED frequency	800 / 1,200 / 2,000 / 3,600 / 12,000 / 25,000 Hz
Dimmer response	LED / Medium / Halogen
Dimmer curves	Linear / Exponential / Logarithmic / S-curve
Scope of delivery	
Power cable (waterproof)	1 pc
User manual	1 pc

10 DIMENSIONAL DRAWING

10.1 Dimensions

All dimensions in millimetres.





QUESTIONS OR FEEDBACK?

Scan the QR code to get in touch — we're happy to help!