

EXPOLITE

USER MANUAL

Expolite TourLED BLX 600



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01

SAFETY INSTRUCTIONS

1.1 General Safety

Caution: All products are shipped in proper condition and fully packaged. Please follow this manual when operating the fixture. Damage caused by improper handling is not covered by the warranty.

1. Inspect the fixture after unpacking for shipping damage. If damage is found, do not operate the unit. Contact your dealer immediately.
2. This fixture is designed for indoor and outdoor use (IP65). Keep the fixture clean and avoid use in excessively dusty environments.
3. Regular maintenance should be carried out every three months.
4. Do not install the fixture directly on flammable surfaces.
5. Installation, maintenance and commissioning must be carried out exclusively by qualified personnel.
6. Do not aim the fixture directly at flammable objects. Maintain a minimum distance of 3 metres between the fixture and illuminated surfaces.
7. Do not look directly into the light source! (Particularly important for persons with epilepsy.)
8. Do not open the fixture or make any structural modifications.
9. Electrical connections may only be made by qualified personnel.
10. Before installation, verify that the mains voltage matches the voltage indicated on the fixture.
11. The fixture must be properly earthed and installed in accordance with applicable regulations.
12. Do not connect any external dimming devices to this fixture.
13. When mounting at height, always use the supplied safety cable. Attach it to the handle or a suitable mounting point.
14. If the LED lens or glass cover is seriously scratched or cracked, it must be replaced.
15. After approx. 5 min of operation, the housing temperature reaches approx. 45 °C; internal components reach up to 60 °C.
16. There are no user-serviceable parts inside the fixture.
17. Before operation, check that all covers are correctly fitted and all screws are securely tightened.
18. Do not operate the fixture with any housing cover removed or open.
19. For questions or comments, please contact your dealer or the manufacturer.

02

TECHNICAL SPECIFICATIONS

2.1 Technical Specifications

Parameter	Value
OPTICS	
Light Source	1x 700 W RGBL COB LED (Red, Green, Blue, Lime)
Illuminance	19,890 lux @ 1 m / 2,710 lux @ 3 m / 1,108 lux @ 5 m
Colour Temperature	1,800 K - 10,000 K (±100 K)
Optical System	Mirror with threaded lenses
CRI	Ra ≥ 69
Main Wavelength	R 625 nm / G 528 nm / B 470 nm / L 493 nm
LED Lifetime	20,000 hours
Beam Angle (50%)	42°
Flood Angle (10%)	65°
Strobe	0 - 25 Hz
POWER	
Input Voltage / Frequency	100 - 240 V AC, 50 - 60 Hz
Power Connection	1.5 mm ² waterproof power cable in/out
Max. Daisy-Chain	5 units @ 230 V / 3 units @ 110 V
Constant Power	280 W
Maximum Power	600 W
Power Factor	0.95 / 230 V
CONTROL	
Protocol	DMX512 / RDM
DMX Channels	1CH / 4CH / 9CH / 5CH / 4CH / 11CH / 16CH / 21CH
Display	TFT 1.77-inch, 4 control buttons
LED Frequency	800 / 1,200 / 2,000 / 3,600 / 12,000 / 25,000 Hz
Dimmer Response	LED / Medium / Halogen
Dimmer Curve	Linear / Exponential / Logarithmic / S-Curve
Signal Connection	3-pin / 5-pin waterproof XLR in/out (max. 30 units)
PHYSICAL	
Dimensions	317 x 269 x 240 mm
Weight	6.44 kg
Protection Rating	IP65
Cooling	Fan cooling
Housing	Die-cast aluminium
Mounting	Flat surface / vertical hang / side mount
Operating Temperature	-15 °C to +45 °C

ACCESSORIES	
Included	Waterproof power cable (1 pc), User Manual (1 pc)

03

INSTALLATION

3.1 Mounting and Rigging

The Expolite TourLED BLX 600 can be mounted on a flat surface, hung vertically, or mounted from the side using the integrated bracket. Use appropriate clamps rated for the fixture weight (6.44 kg).

Always secure the fixture with a suitable safety cable rated for at least 10 times the fixture weight, attached through the dedicated safety eyelet.

Ensure adequate ventilation around the fixture. Do not obstruct the air vents on the housing.

04

DMX SIGNAL CONNECTION

4.1 DMX Signal Connection

To reduce signal errors, a 120 Ohm 1/4 W termination resistor should be connected between pins 2 and 3 of the DMX output on the last fixture in the chain.

Connect the fixtures using XLR signal cables. DMX signal cables must only be connected in series, never in parallel. Each fixture requires its own DMX address. The last fixture in the DMX chain must be fitted with a DMX terminator.

4.2 DMX Addressing

Set the DMX start address via the control panel on the fixture. Access the main menu using password 8888.

Channels	Address	Fixture 1	Fixture 2	Fixture 3	Fixture 4
1CH	001-001	001	002	003	004
4CH	001-004	001	005	009	013
9CH	001-009	001	010	019	028
5CH	001-005	001	006	011	016
4CH	001-004	001	005	009	013
11CH	001-011	001	012	023	034
16CH	001-016	001	017	033	049
21CH	001-021	001	022	043	064

05

POWER CONNECTION

5.1 Power Connection

This fixture uses waterproof power in/out connectors. Connect power cables in daisy-chain configuration. Use a power cable with a minimum cross-section of 1.5 mm².

Maximum number of fixtures per power line: 5 units at 230 V / 3 units at 110 V.

Caution: Do not connect too many fixtures to a single power cable. Do not use damaged power cables. Remove the power cable when the fixture is not in use or during cleaning.

06

CONTROL PANEL

6.1 Control Panel

The control panel is located on the rear of the fixture and consists of a TFT 1.77-inch display with 4 control buttons.

1. Panel operation buttons: MENU, UP, DOWN, ENTER
2. POWER IN: Waterproof power cable input (100-240 V AC, 50/60 Hz)
3. DMX IN: 3-pin / 5-pin waterproof XLR signal input
4. DMX OUT: 3-pin / 5-pin waterproof XLR signal output
5. POWER OUT: Waterproof power cable output (100-240 V AC, 50/60 Hz)

Button	Description	Function
MENU	Menu selection	Navigate menus
UP	Previous option	Increase parameter
DOWN	Next option	Decrease parameter
ENTER	Save settings	Confirm selection

Press UP or DOWN to browse menu options. Press ENTER to confirm. Press MENU to return to the previous level.
Main menu password: 8888

6.2 Beam Angle

The beam angle (50%) is 42°, the flood angle (10%) is 65°.

07

OPERATION / MENU STRUCTURE

7.1 Menu Structure

Access the main menu using password 8888. The menu structure is as follows:

Main Level	Sub Level
DMX Address	001-512 / Cancel / Confirm
DMX Channel Mode	1CH DWE / 4CH DWE / 9CH DWE+ / 5CH STROBE 4CH DIRECT / 11CH DIRECT / 16CH DIRECT / 21CH DIRECT
Stand Alone	Auto (Effects 1-10) / Color Macro / Quick Color / CCT / User Color
Color Settings	Calibration Mode / RAW
Master/Slave	Master / Slave
Settings: Display	Display Flip (On/Off) / Backlight (On/Off) Auto Lock (On/Off)
Settings: Startup Mode	DMX / Auto / Color Macro / Quick Color / Tunable White User Color / Hold
Settings: DMX Hold	Hold / Blackout / Emergency Light
Settings: Dimmer Curve	Linear / Exponential / Logarithmic / S-Curve
Settings: Dimmer Resp.	LED / Medium / Halogen
Settings: DTW Switch	Off / On
Settings: RAW Balance	RAW / User Calibrated
Settings: LED Frequency	800 / 1,200 / 2,000 / 3,600 / 12,000 / 25,000 Hz
Settings: Fan	Auto / Quiet / Fan Off / Max Power
Settings: Transfer	DMX Including ADDR / DMX Without ADDR
Settings: Power	Illumination / Boost
Settings: Factory	Factory Reset / User Reset / User Reset List
Language	English / Chinese
Password	Off / On (Password: 8888)
System Info	Software Version / Series Code / RDM ID / Temperature Power On Time / LED On Time / Warning

08

DMX CHANNEL TABLES

8.1 DMX Channel Overview (Part 1)

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

8.1 DMX Channel Overview (Part 2)

CH	4CH DIRECT	11CH DIRECT	16CH DIRECT	21CH DIRECT
1	Red	Master Dimmer	Master Dimmer	Master Dimmer
2	Green	Shutter	Shutter	Master Dimmer Fine
3	Blue	Red	Duration	Shutter
4	Lime	Green	Red	Duration
5		Blue	Green	Red
6		Lime	Blue	Red Fine
7		CTC	Lime	Green
8		Tint	CTC	Green Fine
9		Color Macro	Tint	Blue
10		Color Macro Xfade	Color Macro	Blue Fine
11		Device Settings	Color Macro Xfade	Lime
12			Effect	Lime Fine
13			Dimmer Curve	CTC
14			Dimmer Response	Tint
15			Redshift	Color Macro
16			Device Settings	Color Macro Xfade
17				Effect
18				Dimmer Curve
19				Dimmer Response
20				Redshift
21				Device Settings

8.2 1CH DWE

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

8.3 4CH DWE

CH	Function	Value	Setting
1	Dimmer	000-255	0 - 100%
2	Dimmer Curve	000-051	No Function (Menu Preset)
		052-101	Linear
		102-152	Exponential
		153-203	Logarithmic
		204-255	S-Curve
3	Dimmer Response	000-063	No Function (Menu Preset)
		064-127	LED / fast
		128-191	Medium
		192-255	Halogen / slow
4	Redshift	000-084	No Function (Menu Preset)
		085-170	Redshift Off
		171-255	Redshift On

8.4 9CH DWE+

CH	Function	Value	Setting
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
		085-089	Shutter open
		090-104	Strobe 3: closing pulse
		105-109	Shutter open
		110-124	Strobe 4: random strobe
		125-129	Shutter open
		130-144	Strobe 5: rnd opening pulse
		145-149	Shutter open
		150-164	Strobe 6: rnd closing pulse
		165-169	Shutter open
		170-184	Strobe 7: burst pulse
		185-189	Shutter open
		190-204	Strobe 8: rnd burst pulse
		205-209	Shutter open
		210-224	Strobe 9: sine wave
		225-229	Shutter open

CH	Function	Value	Setting
		230-244	Strobe 10: burst
		245-255	Shutter open
3	Red	000-255	0 - 100%
4	Green	000-255	0 - 100%
5	Blue	000-255	0 - 100%
6	CTC	000-004	No function
		005-226	1,800 K - 6,500 K
		227-255	6,621 K - 10,000 K
7	Dimmer Curve	000-051	No Function (Menu Preset)
		052-101	Linear
		102-152	Exponential
		153-203	Logarithmic
		204-255	S-Curve
8	Dimmer Response	000-063	No Function (Menu Preset)
		064-127	LED / fast
		128-191	Medium
		192-255	Halogen / slow
9	Redshift	000-084	No Function (Menu Preset)
		085-170	Redshift Off
		171-255	Redshift On

8.5 5CH STROBE

CH	Function	Value	Setting
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
		085-089	Shutter open
		090-104	Strobe 3: closing pulse
		105-109	Shutter open
		110-124	Strobe 4: random strobe
		125-129	Shutter open
		130-144	Strobe 5: rnd opening pulse
		145-149	Shutter open
		150-164	Strobe 6: rnd closing pulse
		165-169	Shutter open
		170-184	Strobe 7: burst pulse
		185-189	Shutter open
		190-204	Strobe 8: rnd burst pulse
		205-209	Shutter open
		210-224	Strobe 9: sine wave
		225-229	Shutter open
		230-244	Strobe 10: burst
		245-255	Shutter open
3	Duration	000-255	0 - 100% (0 ms - 510 ms), affects Strobe 1
4	Dimmer	000-255	0 - 100%
5	CTC	000-004	No function
		005-226	1,800 K - 6,500 K
		227-255	6,621 K - 10,000 K

8.6 4CH DIRECT

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

8.7 11CH DIRECT

CH	Function	Value	Setting
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
		085-089	Shutter open
		090-104	Strobe 3: closing pulse
		105-109	Shutter open
		110-124	Strobe 4: random strobe
		125-129	Shutter open
		130-144	Strobe 5: rnd opening pulse
		145-149	Shutter open
		150-164	Strobe 6: rnd closing pulse
		165-169	Shutter open
		170-184	Strobe 7: burst pulse
		185-189	Shutter open
		190-204	Strobe 8: rnd burst pulse
		205-209	Shutter open
		210-224	Strobe 9: sine wave
		225-229	Shutter open
		230-244	Strobe 10: burst
		245-255	Shutter open
3	Red	000-255	0 - 100%
4	Green	000-255	0 - 100%
5	Blue	000-255	0 - 100%
6	Lime	000-255	0 - 100%
7	CTC	000-004	No function
		005-226	1,800 K - 6,500 K
		227-255	6,621 K - 10,000 K
8	Tint	000	No function
		000-127	Magenta > Neutral
		128	Neutral
		129-255	Neutral > Green
9	Color Macro	000-255	Color macro (see color chart)
10	Color Macro Xfade	000-005	No function

CH	Function	Value	Setting
		006-105	0.1 s - 10 s (0.1 s steps)
		106-214	11 s - 119 s (1 s steps)
		215-244	2 min - 4 min 50 s (10 s steps)
		245-255	5 min - 15 min (1 min steps)
11	Device Settings	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)
		115-119	Redshift Off (hold 1.5 s)
		120-124	No function
		125-129	Full Calibration (Colors & CCT, hold 3 s)
		130-134	CCT Calibration (RAW Colors, hold 3 s)
		135-139	No function
		140-144	LED Frequency 800 Hz (hold 3 s)
		145-149	LED Frequency 1,200 Hz (hold 3 s)
		150-154	LED Frequency 2,000 Hz (hold 3 s)
		155-159	LED Frequency 3,600 Hz (hold 3 s)
		160-164	LED Frequency 12,000 Hz (hold 3 s)
		165-169	LED Frequency 25,000 Hz (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, Shutter=250)
		245-249	User Reset (hold 3 s, Shutter=250)

CH	Function	Value	Setting
		250-255	No function

8.8 16CH DIRECT

CH	Function	Value	Setting
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
		085-089	Shutter open
		090-104	Strobe 3: closing pulse
		105-109	Shutter open
		110-124	Strobe 4: random strobe
		125-129	Shutter open
		130-144	Strobe 5: rnd opening pulse
		145-149	Shutter open
		150-164	Strobe 6: rnd closing pulse
		165-169	Shutter open
		170-184	Strobe 7: burst pulse
		185-189	Shutter open
		190-204	Strobe 8: rnd burst pulse
		205-209	Shutter open
		210-224	Strobe 9: sine wave
		225-229	Shutter open
		230-244	Strobe 10: burst
		245-255	Shutter open
3	Duration	000-255	0 - 100% (0 ms - 510 ms), affects Strobe 1
4	Red	000-255	0 - 100%
5	Green	000-255	0 - 100%
6	Blue	000-255	0 - 100%
7	Lime	000-255	0 - 100%
8	CTC	000-004	No function
		005-226	1,800 K - 6,500 K
		227-255	6,621 K - 10,000 K
9	Tint	000	No function
		000-127	Magenta > Neutral
		128	Neutral
		129-255	Neutral > Green
10	Color Macro	000-255	Color macro (see color chart)
11	Color Macro Xfade	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 min - 4 min 50 s (10 s steps)
		245-255	5 min - 15 min (1 min steps)
12	Effect	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)

CH	Function	Value	Setting
		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)
13	Dimmer Curve	000-051	No Function (Menu Preset)
		052-101	Linear
		102-152	Exponential
		153-203	Logarithmic
		204-255	S-Curve
14	Dimmer Response	000-063	No Function (Menu Preset)
		064-127	LED / fast
		128-191	Medium
		192-255	Halogen / slow
15	Redshift	000-084	No Function (Menu Preset)
		085-170	Redshift Off
		171-255	Redshift On
16	Device Settings	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)
		115-119	Redshift Off (hold 1.5 s)
		120-124	No function
		125-129	Full Calibration (Colors & CCT, hold 3 s)
		130-134	CCT Calibration (RAW Colors, hold 3 s)
		135-139	No function
		140-144	LED Frequency 800 Hz (hold 3 s)
		145-149	LED Frequency 1,200 Hz (hold 3 s)
		150-154	LED Frequency 2,000 Hz (hold 3 s)
		155-159	LED Frequency 3,600 Hz (hold 3 s)
		160-164	LED Frequency 12,000 Hz (hold 3 s)

CH	Function	Value	Setting
		165-169	LED Frequency 25,000 Hz (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, Shutter=250)
		245-249	User Reset (hold 3 s, Shutter=250)
		250-255	No function

8.9 21CH DIRECT

CH	Function	Value	Setting
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
		085-089	Shutter open
		090-104	Strobe 3: closing pulse
		105-109	Shutter open
		110-124	Strobe 4: random strobe
		125-129	Shutter open
		130-144	Strobe 5: rnd opening pulse
		145-149	Shutter open
		150-164	Strobe 6: rnd closing pulse
		165-169	Shutter open
		170-184	Strobe 7: burst pulse
		185-189	Shutter open
		190-204	Strobe 8: rnd burst pulse
		205-209	Shutter open
		210-224	Strobe 9: sine wave
		225-229	Shutter open
		230-244	Strobe 10: burst
		245-255	Shutter open
4	Duration	000-255	0 - 100% (0 ms - 510 ms), affects Strobe 1
5	Red	000-255	0 - 100%
6	Red Fine	000-255	0 - 100%
7	Green	000-255	0 - 100%
8	Green Fine	000-255	0 - 100%
9	Blue	000-255	0 - 100%
10	Blue Fine	000-255	0 - 100%
11	Lime	000-255	0 - 100%
12	Lime Fine	000-255	0 - 100%
13	CTC	000-004	No function
		005-226	1,800 K - 6,500 K
		227-255	6,621 K - 10,000 K
14	Tint	000	No function
		000-127	Magenta > Neutral
		128	Neutral
		129-255	Neutral > Green
15	Color Macro	000-255	Color macro (see color chart)
16	Color Macro Xfade	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 min - 4 min 50 s (10 s steps)

CH	Function	Value	Setting
		245-255	5 min - 15 min (1 min steps)
17	Effect	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)
18	Dimmer Curve	000-051	No Function (Menu Preset)
		052-101	Linear
		102-152	Exponential
		153-203	Logarithmic
		204-255	S-Curve
19	Dimmer Response	000-063	No Function (Menu Preset)
		064-127	LED / fast
		128-191	Medium
		192-255	Halogen / slow
20	Redshift	000-084	No Function (Menu Preset)
		085-170	Redshift Off
		171-255	Redshift On
21	Device Settings	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)
		115-119	Redshift Off (hold 1.5 s)
		120-124	No function
		125-129	Full Calibration (Colors & CCT, hold 3 s)
		130-134	CCT Calibration (RAW Colors, hold 3 s)
		135-139	No function

CH	Function	Value	Setting
		140-144	LED Frequency 800 Hz (hold 3 s)
		145-149	LED Frequency 1,200 Hz (hold 3 s)
		150-154	LED Frequency 2,000 Hz (hold 3 s)
		155-159	LED Frequency 3,600 Hz (hold 3 s)
		160-164	LED Frequency 12,000 Hz (hold 3 s)
		165-169	LED Frequency 25,000 Hz (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, Shutter=250)
		245-249	User Reset (hold 3 s, Shutter=250)
		250-255	No function

Channel Priority: Dimming > Built-in program call > User program call > ARGBW dimming > HSV dimming > Macro functions > Colour Temperature

09

MAINTENANCE

9.1 Maintenance

Regular maintenance is essential to extend the service life of the fixture. Outdoor use and prolonged storage can cause moisture, dust and other contaminants to accumulate on the lens cover and housing.

Clean the fixture to optimise light output and prevent corrosion caused by dust and acidic residues. Cleaning frequency depends on operating hours and environmental conditions. Use a soft cloth and standard glass cleaning products. It is recommended to clean at least once every 20 days.

Caution: Do not clean the housing with organic solvents such as alcohol, as this may damage the surface.

10

TROUBLESHOOTING

10.1 Troubleshooting

Symptom	Possible Cause	Solution
No menu display	1. No AC input 2. Power supply damaged 3. Display board faulty	1. Check power supply 2. Check PSU voltage output 3. Replace display board
No DMX signal	1. DMX cable faulty 2. Wiring sequence incorrect 3. Signal input IC damaged 4. DMX address mismatch 5. Incorrect parameters	1. Check/replace signal cable 2. Check wiring sequence 3. Check signal IC 4. Check/reset address 5. Restore factory settings
Overtemperature (no protection)	1. Thermistor faulty 2. Temp. control circuit faulty 3. Fan running at low speed	1. Replace thermistor 2. Check temp. control circuit 3. Replace fan
Uneven light/colour	1. LED soldering defect 2. Lens/bracket not mounted correctly	1. Check LED solder joints 2. Check lens assembly
LED not illuminating or flickering	LED damaged or driver board no current output	1. Replace LED 2. Check driver board 3. Replace driver IC
Parameters not saved	Storage IC damaged	Replace storage IC
Fixture on, not working	Overtemp. protection or PSU protection activated	Let fixture cool down, then restart

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DISPOSAL

11.1 Disposal

This product must not be disposed of with normal household waste. Dispose of this product in accordance with local regulations for electrical and electronic equipment (WEEE Directive 2012/19/EU).

Return the product to a designated collection point for the recycling of electrical and electronic equipment. For further information, contact your local waste disposal authority or your dealer.

12

DECLARATION OF CONFORMITY

12.1 Declaration of Conformity

The manufacturer declares that this product complies with the essential requirements of the following European directives:

- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- RoHS Directive 2011/65/EU

Full declaration of conformity documentation is available upon request from the manufacturer.

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DIMENSIONS

13.1 Dimensional Drawing

Dimensions: 317 x 269 x 240 mm (L x W x H). Weight: 6.44 kg.

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COLOR MACRO TABLE

14.1 Color Macro Table

DMX value	Gel Name	Color Number	note
000-005	no function		
006-008	Red	100% Red LED	
009-011	Fire	LEE 019	
012-014	Bright Red	LEE 026	
015-017	Primary Red	LEE 106	
018-020	Med Amber	LEE 020	
021-023	Dark Amber	LEE 022	
024-026	Deep Amber	LEE 104	
027-029	Orange	LEE 105	
030-032	Deep Golden Amber	LEE 135	
033-035	Yellow	LEE 101	
036-038	Green	100% Green LED	
039-041	Lime Green	LEE 088	
042-044	Moss Green	LEE 089	
045-047	LEE Green	LEE 121	
048-050	Primary Green	LEE 139	
051-053	Jas Green	LEE 738	
054-056	jade	LEE 323	
057-059	Blue	100% Blue LED	
060-062	Sky Blue	LEE 068	
063-065	Tokyo Blue	LEE 071	
066-068	Light Blue	LEE 118	
069-071	Marine Blue	LEE 131	
072-074	Med Blue	LEE 132	
075-077	Congo Blue	LEE 181	
078-080	Mikkel Blue	LEE 716	
081-083	Rose Pink	LEE 002	
084-086	Med Pink	LEE 036	
087-089	Light Lavender	LEE 052	
090-092	Lavender	LEE 058	
093-095	Magenta	LEE 113	
096-098	Mauve	LEE 126	

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COLOR MACRO TABLE**14.1 Color Macro Table**

099-101	Smokey Pink	LEE 127	
102-104	Special Med Lavender	LEE 343	
105-107	Ultimate Violet	LEE 707	
108-110	Magical Magenta	LEE 795	
111-113	Chrysalis Pink	LEE 798	
114-116	Specia KH Lavender	LEE 799	
117-119	Bulb White	2700K	
120-122	Halogen White	3200K	
123-125	Neutral White	4200K	
126-128	Daylight White	5600K	
129-131	Cold White I	6000K	
132-134	Cold White II	6300K	
135-137	White	100% White LED	if not available use no function
138-140	Amber	100% Amber LED	if not available use no function
141-143	no function	no function	if not available use no function
144-146	no function	no function	if not available use no function
147-149	User Color 1		if not available use no function
150-152	User Color 2		if not available use no function
153-155	User Color 3		if not available use no function
156-158	User Color 4		if not available use no function
159-161	User Color 5		if not available use no function
162-164	Color Jumping stop		
165-209	Color Jumping speed slow -> fast	color 1-37	
210-255	Color fading speed slow-> fast	color 1-37	

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COLOR MACRO TABLE**14.1 Colortemperature**

DMXVALUE	COLOR TEMPERATURE (K)	DMXVALUE	COLOR TEMPERATURE (K)
000-004	no function	135-139	4600K
005-009	2000K	140-144	4700K
010-014	2100K	145-149	4800K
015-019	2200K	150-154	4900K
020-024	2300K	155-159	5000K
025-029	2400K	160-164	5100K
030-034	2500K	165-169	5200K
035-039	2600K	170-174	5300K
040-044	2700K	175-179	5400K
045-049	2800K	180-184	5500K
050-054	2900K	185-189	5600K
055-059	3000K	190-194	5700K
060-064	3100K	195-199	5800K
065-069	3200K	200-204	5900K
070-074	3300K	205-209	6000K
075-079	3400K	210-214	6300K
080-084	3500K	215-219	6500K
085-089	3600K	220-224	7000K
090-094	3700K	225-229	7300K
095-099	3800K	230-234	7500K
100-104	4000K	235-239	8000K
105-109	4100K	240-243	8500K
110-114	4200K	244-247	9000K
115-119	4300K	248-251	9500K
125-129	4400K	252-255	1000K
130-134	4500K		



QUESTIONS OR FEEDBACK?

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