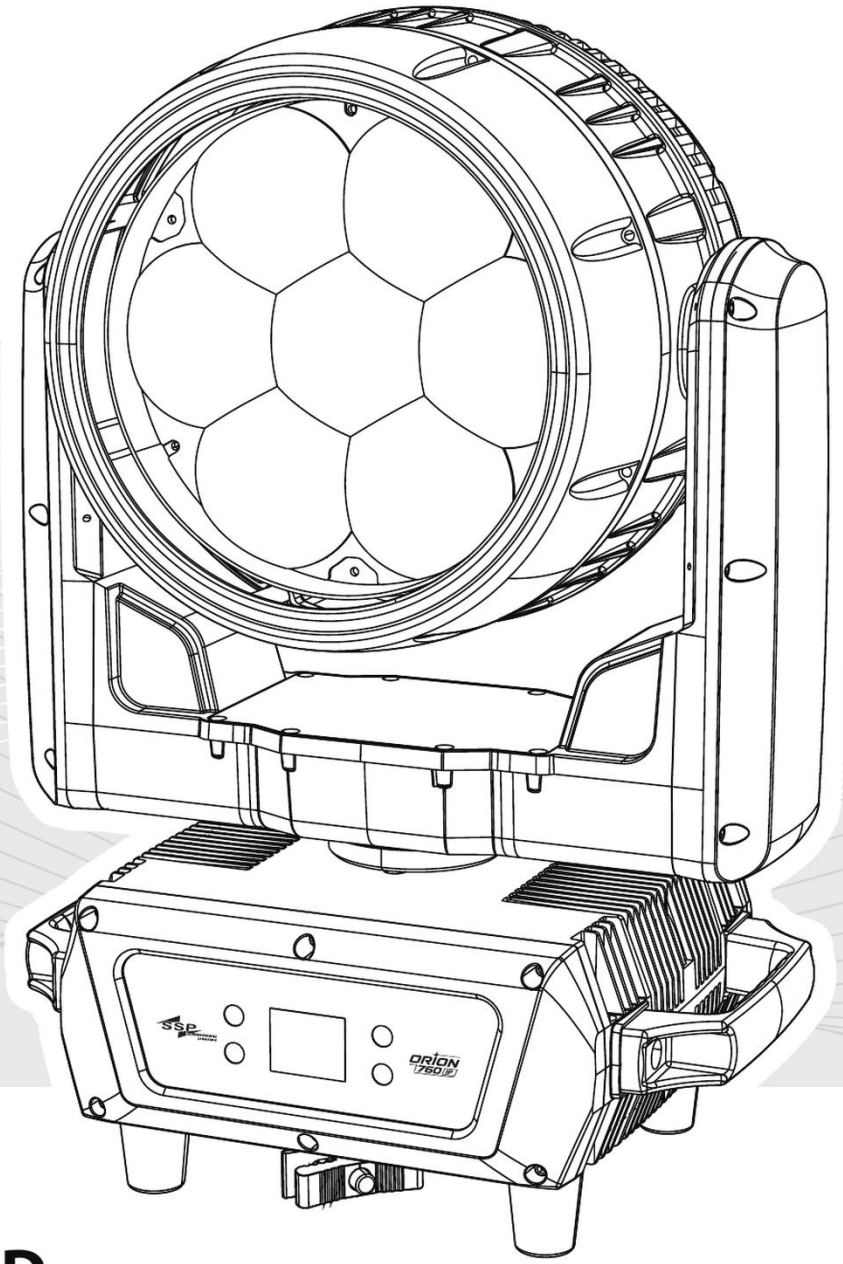
SSP PROFESSIONAL LIGHTING

ORION 760 IP

User's Manual



LED MOVING HEAD

English

Please read the user manual carefully
before using the appliance.

ORION 760 IP USER MANUAL – INDEX

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ORION 760 IP USER MANUAL

1 Safety information

1 Safety information

Warning: this is a professional luminaire with mains voltage, high optical output, moving parts and a net weight of about 19.5 kg. Installation and service must be carried out by qualified personnel.

1.1 General safety

- Keep this manual with the fixture and give it to any later owner or operator.
- Inspect the fixture, lenses, cables, connectors, mounting points and brackets before use. Do not operate a damaged fixture.
- Do not allow children or unauthorised people to operate, install or service the fixture.
- Do not open or modify the housing. There are no user-serviceable parts inside.
- Stop use immediately if there is smoke, an abnormal smell, unusual mechanical noise, repeated resets, damaged insulation, water inside the housing or a persistent fault.
- Do not lift or carry the fixture by the moving head. Use the designated handles and base.

1.2 Electrical safety

- Protection class I: connect the fixture to protective earth. Never remove or bypass the earth conductor.
- Connect only to the voltage and frequency on the rating label of the delivered fixture. The source gives 100–240 V AC for operation and 90–240 V AC in the specification block; the rating label is the final reference.
- Do not connect the fixture to a dimmer pack, a variable-voltage output or an unsuitable generator or inverter output.
- Use branch-circuit over-current and residual-current protection in line with local regulations.
- Disconnect AC power before installation, cleaning, maintenance or opening connector caps. Disconnect by the connector body, never by pulling the cable.
- Replace damaged cables or connectors at once, with approved parts, through qualified service personnel.

1.3 Optical, thermal and movement safety

- Do not look into the light source, and do not view the beam through optical instruments at close range.
- Keep the beam and the hot housing away from flammable materials. Keep at least 0.5 m clearance from illuminated surfaces and adjacent structures.
- Keep ventilation grilles and heat sinks clear, and leave adequate free space around airflow areas.
- Do not direct sunlight, lasers or another high-intensity beam into the front lenses.
- Allow enough clearance for the full 540° pan, 270° tilt and optical rotation. Keep cables, scenery and people outside the movement envelope.
- After transport through a large temperature change, let the fixture reach ambient temperature before applying power.

1.4 IP65 and outdoor use

- IP65 protection applies only when the housing, seals, pressure-equalisation valve, waterproof connectors and all unused connector caps are correctly fitted and undamaged.
- IP65 does not allow immersion, pressure washing, operation with open caps or use with damaged seals.
- Use compatible waterproof power and DMX connectors. Route connectors downwards and form drip loops.
- Do not loosen, cover, paint or adjust the pressure-equalisation valve.

1.5 Rigging safety

- The supporting structure and all hardware must be rated for the total load and meet local regulations. The source requires a point-load capacity of at least ten times the fixture weight.
- Use the omega bracket and a suitably rated clamp for suspended installation.
- Always fit an independent secondary safety cable to the designated safety point only.
- Never stand below the fixture during installation, removal or service.
- Complete all rigging and safety checks before connecting power.

2 Product overview and specifications

2 Product overview and specifications

2.1 Main functions

- Seven 60 W RGBW 4-in-1 main LEDs for beam, wash and colour-mixing effects.
- Twelve 3 W RGB filament-aura elements for independent decorative and pixel effects.
- Motorised 7°–45° zoom with optical rotation and continuous rotation effects.
- 16-bit pan and tilt control, four dimming curves, high-speed strobe and built-in FX macros.
- DMX512 and RDM are listed. Art-Net is listed with the note “support for additional installation”; the required hardware is not described.
- IP65 metal and UV-resistant engineering-plastic construction for temporary and permanent outdoor use.

2.2 Technical specifications

Specification	Value
AC input	Source range 90–240 V AC, 50/60 Hz. Confirm on the rating label.
Maximum input power	550 W
Main light source	7 × 60 W RGBW 4-in-1 LEDs
Aura light source	12 × 3 W RGB filament LEDs
Motorised zoom	7°–45°
Pan movement	540° with 16-bit fine control
Tilt movement	270° with 16-bit fine control
Dimming	0–100%; linear, square law, inverse square law and S curve
Strobe	1–25 Hz, plus pulse and random effects
Colour functions	RGBW mixing, virtual colour wheel, CCT/tint functions and tungsten emulation
Control protocols	DMX512 and RDM. Art-Net is listed with additional-installation support.
DMX personalities	20 / 21 / 21ACH / 26 / 36 / 37 / 57 / 78 / 93 channels (the source lists nine modes)
Data connectors	Waterproof 3-pin DMX IN/OUT. Network connectors or optional interface details are not supplied in the source.
Power connectors	Waterproof locking AC input and pass-through output
Display	1.77-inch OLED; English/Chinese menu; waterproof touch keys; unlock code 1111
Protection rating	IP65
Body construction	Die-cast aluminium and fire- and UV-resistant engineering plastic
Dimensions (W × D × H)	386 × 291 × 533 mm
Net / gross weight	19.5 kg / 23.1 kg
Carton size	475 × 375 × 680 mm
Two-unit flight case	960 × 450 × 780 mm; case N.W. 31 kg / packed G.W. 72 kg

2.3 Supplied items

Typical quantity	Item
1	ORION 760 IP fixture
1	Approved power cable
1	3-pin DMX signal cable
1	Omega bracket and mounting hardware set
1	Secondary safety cable
1	User manual / digital manual

The packing list and sales order are the final reference. Clamps, flight cases, network accessories and spare cables are supplied only when they are listed.

3 Mechanical dimensions and photometric data

3 Mechanical dimensions and photometric data

3.1 Mechanical dimensions

Dimension	Value
Overall width	386 mm
Overall depth	291 mm
Overall height	533 mm
Carton size	475 × 375 × 680 mm
Net / gross weight	19.5 kg / 23.1 kg

Allow additional space for pan and tilt movement, optical rotation, cable bend radius, connector caps, airflow, service access and the secondary safety cable.

3.2 Narrow-beam photometric reference (7°)

Colour	3 m (lux)	5 m (lux)	7 m (lux)	10 m (lux)
Red	12,400	4,300	2,200	1,100
Green	32,500	12,000	6,500	3,200
Blue	55,500	21,800	12,000	6,000
White	55,800	22,000	11,400	5,800
RGBW combined	108,000*	54,000	29,700	14,600

Measurement note: values are reference measurements from the supplied ORION documentation. Actual output varies with LED binning, temperature, optical condition, mains voltage and measurement method. *The source draft lists 10,800 lux at 3 m for RGBW, which does not match the longer-distance sequence. The figure of 108,000 lux is an editorial normalisation and must be confirmed against final photometric test data.

3.3 Wide-beam reference (45°)

The source provides an illustrative 45° beam geometry only. It does not give a separate wide-beam lux table.

4 Fixture identification and connections

4 Fixture identification and connections

No.	Part	Function
1	OLED display and touch keys	Menu navigation, status and local configuration.
2	POWER IN	Waterproof locking AC input.
3	POWER OUT	Waterproof AC pass-through output.
4	DMX IN	Waterproof 3-pin XLR DMX512/RDM input.
5	DMX OUT	Waterproof 3-pin XLR DMX512/RDM output.
6	Pressure-equalisation valve	Part of the IP65 sealing system. Do not adjust or cover.
7	Omega mounting points	Quarter-turn mounting points on the fixture base.
8	Safety-cable point	Designated attachment point for the independent secondary restraint.

Use only the connector types physically fitted to the delivered ORION 760 IP. The source does not identify an Art-Net connector or an optional network module.

4.1 Pixel and filament numbering

The source DMX maps identify seven main pixels and twelve RGB filament elements. For direct-control personalities, pixel and filament numbering follows the firmware order. Confirm the logical order at low intensity before programming effects, especially after changing invert or mapping options.

5 Connecting power, DMX and network data

5 Connecting power, DMX and network data

5.1 AC power

- Check the branch-circuit voltage, frequency and protective earth before connecting the fixture.
- Insert and lock the approved waterproof connector fully. Keep connector seals clean and dry.
- Do not exceed the current rating marked on POWER OUT, the cable, the branch circuit or the upstream connector.
- The number of fixtures that can be power-linked depends on supply voltage, actual current, inrush current and the lowest-rated component in the chain. Do not calculate a link quantity from LED wattage alone.

Conductor	Typical IEC colour	Function
L	Brown	Live / line
N	Blue	Neutral
PE	Green/yellow	Protective earth

The green/yellow conductor must be connected to protective earth.

5.2 DMX512 and RDM

Use 120-ohm shielded DMX cable. Microphone cable is not recommended for long or critical DMX runs.

3-pin XLR pin	Signal
1	Shield / signal common
2	Data −
3	Data +

- Connect the controller DMX output to DMX IN on the first fixture.
- Connect DMX OUT to DMX IN on the next fixture, and continue in a single daisy chain.
- Fit a 120-ohm terminator between pins 2 and 3 at the DMX OUT of the last fixture for long runs or electrically noisy environments.
- Use an optically isolated DMX/RDM splitter for branches or additional cable segments.
- RDM discovery and configuration use the same 3-pin DMX line and need an RDM-compatible controller and splitters.

5.3 Art-Net status in the source

- The product-feature block lists Art-Net with the note “support for additional installation”.
- The connector drawing and connector table show power and 3-pin DMX connections only. No Ethernet or network connector is identified.
- The menu lists Network Setup, but gives no IP address, subnet, universe, priority or protocol-version fields.
- Do not connect or configure Art-Net on the basis of the source label alone. Use approved hardware-specific instructions for the delivered production version.

- An external Art-Net-to-DMX node may be used as a separate device. Connect its DMX output to DMX IN and follow the node manufacturer's documentation.

6 Installation and rigging

6 Installation and rigging

6.1 Permitted operating positions

The fixture may stand on a stable, level surface or be suspended from a correctly engineered structure. In every position, allow the head to complete its full movement and optical rotation without touching the structure, cables, adjacent fixtures or scenery.

6.2 Suspended installation

Step	Action
1	Inspect the supporting structure, clamp, omega bracket, quarter-turn fasteners and secondary safety cable.
2	Attach an approved clamp to the omega bracket, using the clamp manufacturer's specified fastener.
3	Lock the omega bracket into the designated mounting points on the base.
4	Lift and secure the fixture to the structure, and tighten the clamp to the specified torque.
5	Attach an independent safety cable to the designated safety point on the base. Do not use a handle, the moving head, a connector or a removable bracket.
6	Provide strain relief, drip loops where needed and enough service slack, without entering any movement path.
7	Complete the full rigging and safety inspection before connecting AC power.

6.3 Floor and outdoor installation

- Use only a stable, level surface. Secure the fixture against tipping, sliding and impact.
- Do not block ventilation, and do not place the fixture where water can pool around the connectors.
- Inspect all seals, connector caps, cable glands and the pressure-equalisation valve before outdoor installation.
- Route every connected cable downwards from its connector and form a drip loop.
- Keep connectors above standing water and protected from mechanical damage.
- Test pan, tilt, zoom and optical rotation through their full ranges at low output before opening the area to users or performers.

7 Operation and control menu

7 Operation and control menu

7.1 Starting the fixture

- Confirm that installation, connector caps, power cable and control cables are safe and correctly fitted.
- Apply AC power. The fixture initialises and performs a movement reset.
- Keep the head, tools, cables and people clear until the reset is complete.
- Check the display for the selected address, personality and any fault message before enabling output.

7.2 Control-panel operation

Control	Operation
MENU / Back	Open the main menu, return to the previous level or leave a setting.
ENTER	Open the selected item or confirm a value.
UP	Move up through a list, or increase a value.
DOWN	Move down through a list, or decrease a value.
Touch-key unlock	Enter 1111 when the firmware asks for the screen activation password.

7.3 Dimming curves

Curve	Response
Linear	Output changes in proportion to the DMX input.
Square law	Gives finer visual control at low intensity.
Inverse square law	Rises faster at low DMX values and gives more resolution at high intensity.
S curve	Soft response near both ends, with a steeper central section.

7.4 Fixture and display menus

Menu	Sub-menu	Value / option	Function
Address	001–255 (source menu)		The source menu lists 001–255, but the System Information example shows DMX address 512. Confirm the permitted range on the delivered firmware.
Running mode	DMX	21 / 78 / 26 / 20 / 36 / 57 / 93 / 21ACH / 37CH	Selects a console-control personality as listed in the source menu.
Running mode	Auto test		Runs the automatic test.
Running mode	Manual test		Opens manual test functions.
Running mode	Auto		Runs an internal automatic program.
Running mode	Channel test		Tests individual channels.
Advanced setting	Pan reverse	Yes / No	Reverses pan direction.
Advanced setting	Tilt reverse	Yes / No	Reverses tilt direction.

Menu	Sub-menu	Value / option	Function
Advanced setting	Screen reverse	Yes / No	Rotates the display orientation.
Advanced setting	Screen lock	Yes / No	Enables or disables screen locking.
Advanced setting	No signal hold	Yes / No	Source label only. The behaviour after loss of DMX is not defined in the supplied manual.
Advanced setting	Pan angle	540 / 360 / 180	Sets the permitted pan range.
Advanced setting	Tilt angle	250 / 180 / 90	Sets the permitted tilt range shown by the source menu.
Advanced setting	Arefaction time	000–255	Source spelling retained. The function is not explained and must be verified before use.
Advanced setting	Language	EN / CH	Selects English or Chinese.
Advanced setting	Dimmer speed	Fast / Smooth	Selects fast or smoothed dimmer response.
Advanced setting	Dimmer curve	Linear / Square / Inverse square / S curve	Selects the master dimming response.
Advanced setting	Network setup		Listed, but no network sub-menu, connector or addressing values are supplied.
Advanced setting	Reset function		Performs the selected reset.
Advanced setting	Factory reset		The source calls this Factory mode. The exact behaviour is not defined. Record settings and verify before use.
System information	Version		Shows the firmware version. The source example is V40005.
System information	Running mode		Shows the current run mode.
System information	DMX address		Shows the current address. The source example of 512 conflicts with the 001–255 menu range.
System information	Temperature		Shows the temperature status.
System information	Fixture hours		Shows the accumulated operating time.
System information	SAVE Num		Shows the source diagnostic value, given as 0xA5. No function is defined.

Menu labels may be abbreviated, or differ in another firmware revision. Use the fixture display and an approved personality file as the operating reference.

7.5 Temperature messages

Display message	Meaning
Thermistor open	Temperature sensor circuit is open.
Thermistor short	Temperature sensor circuit is shorted.
Thermistor hot	Over-temperature condition.

Temperature fault: disconnect power and let the fixture cool. Do not continue operation if a sensor or over-temperature message returns after one safe restart. Arrange qualified service.

7.6 DMX set-up checklist

- Confirm the exact personality name on both the fixture and the controller patch.
- Confirm the start address shown on the fixture display, and calculate the occupied channel range before connecting output.
- Use the DMX IN connector for the controller feed, and terminate the final fixture where the installation requires it.
- Test dimmer, movement, zoom and optical rotation at low output before opening the area to performers or the public.
- Do not program a source-verification row, an omitted channel range or a conflicting value until it has been checked against the delivered firmware or an approved personality file.

8 DMX personalities, RDM and addressing

8 DMX personalities, RDM and addressing

8.1 Personality selection guide

The ORION 760 IP provides nine DMX personalities. Select the smallest personality that includes all the functions the installation or production needs. Lower-channel modes simplify programming and allow more fixtures in one DMX universe. Higher-channel modes give individual control of the main LED pixels and filament-aura elements. The personality must be the same on the fixture and the lighting controller.

Mode	Recommended application
20CH	Advanced global control: shutter and strobe, 16-bit master dimming, 16-bit RGB mixing, CCT, tint, virtual colour wheel and macros, 16-bit zoom, pan and tilt, and PWM frequency. Suitable when individual pixel control and optical rotation are not needed.
21CH	Direct RGBW control: 16-bit RGBW mixing, linear CTO, colour macros, strobe, pulse and random strobe, 16-bit dimming, pan and tilt, zoom and optical rotation, with fixture reset. Suitable when no individual pixel or filament control is needed.
21ACH	The advanced global functions of 20CH, with a dedicated optical-rotation channel.
26CH	Compact effects control: 16-bit pan and tilt, movement speed, zoom, optical rotation, master dimming and strobe, global RGBW, linear CTO, built-in colour macros, two FX engines, FX speed and direction, and global Aura control.
36CH	Extended global control of the beam and the Aura sections: shutter, dimming, RGB mixing, CCT and tint, colour macros, zoom, pan and tilt, two FX engines with synchronisation, Aura shutter, strobe, dimming and colour control.
37CH	All the functions of 36CH, with a dedicated optical-rotation channel.
57CH	The advanced global and effects functions of 36CH, with individual RGB control of all seven main LED pixels. The twelve filament-aura elements stay under global control.
78CH	Direct RGBW control with individual RGB control of all seven main pixels and all twelve filament-aura elements, plus CCT, colour macros, strobe, 16-bit dimming, pan, tilt, zoom, optical rotation and reset.
93CH	The most detailed personality: the advanced global and FX functions, with individual RGB control of every main pixel and every filament-aura element. It uses the largest DMX footprint.

8.2 Addressing

The start address is the first controller channel used by the selected personality. The final occupied channel is: start address + personality footprint − 1.

- Confirm the address on the delivered fixture display. The source is inconsistent: the menu table lists 001–255, while the System Information example shows 512.
- Make sure the whole personality footprint fits inside the controller universe used for the fixture.
- Avoid overlapping channel ranges, unless identical synchronised operation is intended.
- After changing a personality, update the controller patch before enabling output.

Address example: a confirmed 26-channel personality starting at address 101 occupies controller channels 101 to 126. This example shows the calculation only.

8.3 RDM

- RDM is listed as a supported control method in the source manual.
- RDM uses the same 3-pin DMX line, and needs an RDM-compatible controller and any RDM-compatible splitters.
- The source does not define the RDM parameter set, device-model ID, sub-device structure or firmware behaviour. Confirm discovery, address and personality control, and status reporting on the delivered fixture before relying on them.

8.4 Art-Net and P3 references

- The product-feature block lists Art-Net with the note “support for additional installation”, and the menu lists Network Setup. The source does not identify the optional network connector, IP-address fields, universe range, Art-Net version or data-priority behaviour.
- Several combined DMX tables contain Beam P3 Mix and Aura P3 Mix functions. P3 is not listed in the product overview, and no P3 connector or hardware description is supplied.
- Use Art-Net or P3 only with approved hardware-specific documentation for the delivered production version.

Input selection: do not connect two independent DMX sources to the same fixture input. Do not infer network or P3 capability from a DMX-table label alone.

8.5 Controller patch workflow

Step	Action
1	Select the exact personality name on the fixture and the controller.
2	Record the firmware version, start address and selected personality.
3	Patch the complete channel footprint and label the fixture consistently in the show file.
4	With output at a safe level, test master dimmer, shutter, pan, tilt, zoom and optical rotation.
5	Test pixel, filament, FX, P3-related and control channels only where the source map is complete and verified.
6	Save the verified show file, and keep the approved personality or library file with the production documents.

9 DMX channel tables

9 DMX channel tables

The DMX chart lists nine personalities. The tables below reproduce the chart as printed. Where the chart states a value as a source label, or a range is marked as not in use, the wording is kept as given. Verify every row against the delivered firmware before programming.

9.1 20 Channel Mode

CH	Function	DMX value	Description
1	Strobe/shutter effect	0–19	Shutter closed
		20–49	Shutter open
		50–200	Strobe from slow to fast
		201–210	Shutter open
		211–255	Random strobe from slow to fast
2	Total dimming	0–255	0-255 Linear dimming is from dark to bright
3	Dimming fine	0–255	Dimming fine
4	Red	0–255	0-255 Red linear dimming from dark to bright
5	Red fine	0–255	Red fine
6	Green	0–255	0-255 Green linear dimming from dark to bright
7	Green fine	0–255	Green fine
8	Blue	0–255	0-255 Blue linear dimming from dark to bright
9	Blue fine	0–255	Blue fine
10	CCT / CTC	0–18	1000 K
		19–255	1050 K at DMX 19, increasing in 50 K steps to 12,850 K at DMX 255; DMX 127 = 6450 K, DMX 128 = 6500 K
11	Green-magenta shift (tint)	0–126	Shift toward magenta / negative Duv; 0 = maximum offset
		127–128	Neutral; on black-body curve
		129–255	Shift toward green / positive Duv; 255 = maximum offset
12	Virtual color wheel / color macro	0–10	Open
		11	Moroccan Pink (Lee 790)
		13	Pink (Lee 157)
		15	Special Rose Pink (Lee 332)
		17	Follies Pink (Lee 328)
		19	Fuchsia Pink (Lee 345)
		21	Surprise Pink (Lee 194)
		23	Congo Blue (Lee 181)
		25	Tokyo Blue (Lee 071)
		27	Deep Blue (Lee 120)
		29	Just Blue (Lee 079)

CH	Function	DMX value	Description
		31	Medium Blue (Lee 132)
		33	Double CT Blue (Lee 200)
		35	Slate Blue (Lee 161)
		37	Full CT Blue (Lee 201)
		39	Half CT Blue (Lee 202)
		41	Steel Blue (Lee 117)
		43	Lighter Blue (Lee 353)
		45	Light Blue (Lee 118)
		47	Medium Blue Green (Lee 116)
		49	Dark Green (Lee 124)
		51	Primary Green (Lee 139)
		53	Moss Green (Lee 089)
		55	Fern Green (Lee 122)
		57	Jas Green (Lee 738)
		59	Lime Green (Lee 088)
		61	Spring Yellow (Lee 100)
		63	Deep Amber (Lee 104)
		65	Chrome Orange (Lee 179)
		67	Orange (Lee 105)
		69	Gold Amber (Lee 021)
		71	Millennium Gold (Lee 778)
		73	Deep Golden Amber (Lee 135)
		75	Flame Red (Lee 164)
		77	Red Magenta
		79	Medium Lavender
		81	Pure White
		83	Pure Red
		85	Pure Yellow
		87	Pure Green
		89	Pure Cyan
		91	Pure Blue
		93	Pure Magenta
		95	Peacock Blue (Lee 115)
		97	Dark Lavender (Lee 180)
		99	Double CT Orange (Lee 287)
		101	Full CT Orange (Lee 204)
		103	Half CT Orange (Lee 205)

CH	Function	DMX value	Description
		105	Deep Straw (Lee 015)
		107–190	No function
		191–214	Continuous clockwise rotation, fast to slow
		215–219	Stop at current position
		220–243	Continuous counter-clockwise rotation, slow to fast
		244–247	Random colors - fast
		248–251	Random colors - medium
		252–255	Random colors - slow
13	ZOOM	0–255	ZOOM
14	ZOOM fine	0–255	ZOOM fine from Narrow to wide
15	Pan rotation control	0–255	Pan
16	Pan fine control	0–255	Pan fine from Left to right
17	Tilt rotation control	0–255	Tilt
18	Tilt fine control	0–255	Tilt fine from Forward to backward
19	Fixture control / settings (hold)	0–9	Exit calibration adjustment and return to normal control - hold 5 s
		10–14	Reset entire fixture - hold 5 s
		15–16	No function
		17	Reset beam only - hold 5 s
		18	Reset pan and tilt only - hold 5 s
		19–22	No function
		23	Dimmer curve: Linear - hold 1 s
		24	Dimmer curve: Square Law - hold 1 s
		25	Dimmer curve: Inverse Square Law - hold 1 s
		26	Dimmer curve: S Curve - hold 1 s
		27	No function
		28	Pan/Tilt speed: Fast - hold 1 s
		29	Pan/Tilt speed: Smooth - hold 1 s
		30–35	No function
		36	Video tracking: On - hold 1 s
		37	Video tracking: Off - hold 1 s
		38	Color mode: Extended - hold 1 s
		39	Color mode: Calibrated - hold 1 s
		40–51	No function
		52	Control-panel display: On - hold 1 s
		53	Control-panel display: Off - hold 1 s
		54	Regulated fan / fixed output - hold 1 s
		55	Full fan / regulated output - hold 1 s

CH	Function	DMX value	Description
		56	Medium fan / regulated output - hold 1 s
		57	Low fan / regulated output - hold 1 s
		58	Ultra-low fan / regulated output - hold 1 s
		59–60	No function
		61	Hibernation mode: On - hold 1 s
		62	Hibernation mode: Off - hold 1 s
		63–64	No function
		65	Pan/Tilt limits: On - hold 1 s
		66	Pan/Tilt limits: Off - hold 1 s
		67	Store lower pan limit - hold 1 s
		68	Store upper pan limit - hold 1 s
		69	Store lower tilt limit - hold 1 s
		70	Store upper tilt limit - hold 1 s
		71	Reset pan/tilt limits - hold 1 s
		72	Tungsten emulation: On - hold 1 s
		73	Tungsten emulation: Off - hold 1 s
		74	Record scene capture - hold 5 s
		75	Scene playback: On - hold 5 s
		76	Scene playback: Off - hold 5 s
		77–91	No function
		92	Compact Aura mode: On - hold 1 s
		93	Compact Aura mode: Off - hold 1 s
		94–99	No function
		100	Enable calibration adjustment - hold 5 s
		101	Store pan/tilt calibration - hold 5 s
		102	Store dimmer calibration - hold 5 s
		103–113	No function
		114	Store zoom calibration - hold 5 s
		115–198	No function
		199	Restore all calibration settings to factory defaults - hold 5 s
		200–207	No function
		208	Automatic water-emptying: On - hold 1 s
		209	Automatic water-emptying: Off - hold 1 s
		210	Outdoor routine: Stop and return to normal operation - hold 1 s
		211	Outdoor routine: Empty head - hold 1 s
		212	Outdoor routine: Dry off - hold 1 s
		213	Outdoor routine: Safe parking position - hold 1 s

CH	Function	DMX value	Description
		214–255	No function
20	LED Frequency	0–127	Adjustment in steps from 2400 to 3000 Hz
		128	Default PWM frequency (3000 Hz)
		129–254	No function
		255	High-speed PWM Frequency Mode (24 000 Hz)

9.2 21 Channel Mode

CH	Function	DMX value	Description
1	Red	0–255	Red
2	Red Fine	0–255	Red fine
3	Green	0–255	Green
4	Green Fine	0–255	Green fine
5	Blue	0–255	Blue
6	Blue Fine	0–255	Blue fine
7	White	0–255	White
8	White Fine	0–255	White fine
9	Linear CTO / CCT	0–255	Color temperature linear
10	Color macro	0–255	Color macro
11	Strobe	0–3	Closed / blackout
		4–103	Strobe from slow to fast
		104–107	Open
		108–207	Pulse strobe from fast to slow
		208–212	Open
		213–251	Random strobe
		252–255	Open
12	Dimmer	0–255	0-100% linear dimming, dark to full
13	Dimmer Fine	0–255	Dimmer fine
14	Pan	0–255	Pan movement
15	Pan Fine	0–255	Pan fine
16	Tilt	0–255	Tilt movement
17	Tilt Fine	0–255	Tilt fine control
18	Function	0–255	Reserved macro function; no behavior is defined in the supplied table.
19	Reset	0–250	No function
		251–255	Fixture reset when held for 5 seconds.
20	Zoom	0–255	Zoom
21	Optical rotation (source label: Zoom Rotation)	0–127	0 to 60 degree

CH	Function	DMX value	Description
		128–191	Unlimited clockwise rotation from fast to slow
		192–255	Unlimited anticlockwise rotation from fast to slow

9.3 21ACH Channel Mode

CH	Function	DMX value	Description
1	Strobe/shutter effect	0–19	Shutter closed
		20–49	Shutter open
		50–200	Strobe from slow to fast
		201–210	Shutter open
		211–255	Random strobe from slow to fast
2	Total dimming	0–255	0-255 Linear dimming is from dark to bright
3	Dimming fine	0–255	Dimming fine
4	Red	0–255	0-255 Red linear dimming from dark to bright
5	Red fine	0–255	Red fine
6	Green	0–255	0-255 Green linear dimming from dark to bright
7	Green fine	0–255	Green fine
8	Blue	0–255	0-255 Blue linear dimming from dark to bright
9	Blue fine	0–255	Blue fine
10	CCT / CTC	0–18	1000 K
		19–255	1050 K at DMX 19, increasing in 50 K steps to 12,850 K at DMX 255; DMX 127 = 6450 K, DMX 128 = 6500 K
11	Green-magenta shift (tint)	0–126	Shift toward magenta / negative Duv; 0 = maximum offset
		127–128	Neutral; on black-body curve
		129–255	Shift toward green / positive Duv; 255 = maximum offset
12	Virtual color wheel / color macro	0–10	Open
		11	Moroccan Pink (Lee 790)
		13	Pink (Lee 157)
		15	Special Rose Pink (Lee 332)
		17	Follies Pink (Lee 328)
		19	Fuchsia Pink (Lee 345)
		21	Surprise Pink (Lee 194)
		23	Congo Blue (Lee 181)
		25	Tokyo Blue (Lee 071)
		27	Deep Blue (Lee 120)
		29	Just Blue (Lee 079)
		31	Medium Blue (Lee 132)
		33	Double CT Blue (Lee 200)
		35	Slate Blue (Lee 161)

CH	Function	DMX value	Description
		37	Full CT Blue (Lee 201)
		39	Half CT Blue (Lee 202)
		41	Steel Blue (Lee 117)
		43	Lighter Blue (Lee 353)
		45	Light Blue (Lee 118)
		47	Medium Blue Green (Lee 116)
		49	Dark Green (Lee 124)
		51	Primary Green (Lee 139)
		53	Moss Green (Lee 089)
		55	Fern Green (Lee 122)
		57	Jas Green (Lee 738)
		59	Lime Green (Lee 088)
		61	Spring Yellow (Lee 100)
		63	Deep Amber (Lee 104)
		65	Chrome Orange (Lee 179)
		67	Orange (Lee 105)
		69	Gold Amber (Lee 021)
		71	Millennium Gold (Lee 778)
		73	Deep Golden Amber (Lee 135)
		75	Flame Red (Lee 164)
		77	Red Magenta
		79	Medium Lavender
		81	Pure White
		83	Pure Red
		85	Pure Yellow
		87	Pure Green
		89	Pure Cyan
		91	Pure Blue
		93	Pure Magenta
		95	Peacock Blue (Lee 115)
		97	Dark Lavender (Lee 180)
		99	Double CT Orange (Lee 287)
		101	Full CT Orange (Lee 204)
		103	Half CT Orange (Lee 205)
		105	Deep Straw (Lee 015)
		107–190	No function
		191–214	Continuous clockwise rotation, fast to slow

CH	Function	DMX value	Description
		215–219	Stop at current position
		220–243	Continuous counter-clockwise rotation, slow to fast
		244–247	Random colors - fast
		248–251	Random colors - medium
		252–255	Random colors - slow
13	ZOOM	0–255	ZOOM
14	ZOOM fine	0–255	ZOOM fine from Narrow to wide
15	Pan rotation control	0–255	Pan
16	Pan fine control	0–255	Pan fine from Left to right
17	Tilt rotation control	0–255	Tilt
18	Tilt fine control	0–255	Tilt fine from Forward to backward
19	Fixture control / settings (hold)	0–9	Exit calibration adjustment and return to normal control - hold 5 s
		10–14	Reset entire fixture - hold 5 s
		15–16	No function
		17	Reset beam only - hold 5 s
		18	Reset pan and tilt only - hold 5 s
		19–22	No function
		23	Dimmer curve: Linear - hold 1 s
		24	Dimmer curve: Square Law - hold 1 s
		25	Dimmer curve: Inverse Square Law - hold 1 s
		26	Dimmer curve: S Curve - hold 1 s
		27	No function
		28	Pan/Tilt speed: Fast - hold 1 s
		29	Pan/Tilt speed: Smooth - hold 1 s
		30–35	No function
		36	Video tracking: On - hold 1 s
		37	Video tracking: Off - hold 1 s
		38	Color mode: Extended - hold 1 s
		39	Color mode: Calibrated - hold 1 s
		40–51	No function
		52	Control-panel display: On - hold 1 s
		53	Control-panel display: Off - hold 1 s
		54	Regulated fan / fixed output - hold 1 s
		55	Full fan / regulated output - hold 1 s
		56	Medium fan / regulated output - hold 1 s
		57	Low fan / regulated output - hold 1 s
		58	Ultra-low fan / regulated output - hold 1 s

CH	Function	DMX value	Description
		59–60	No function
		61	Hibernation mode: On - hold 1 s
		62	Hibernation mode: Off - hold 1 s
		63–64	No function
		65	Pan/Tilt limits: On - hold 1 s
		66	Pan/Tilt limits: Off - hold 1 s
		67	Store lower pan limit - hold 1 s
		68	Store upper pan limit - hold 1 s
		69	Store lower tilt limit - hold 1 s
		70	Store upper tilt limit - hold 1 s
		71	Reset pan/tilt limits - hold 1 s
		72	Tungsten emulation: On - hold 1 s
		73	Tungsten emulation: Off - hold 1 s
		74	Record scene capture - hold 5 s
		75	Scene playback: On - hold 5 s
		76	Scene playback: Off - hold 5 s
		77–91	No function
		92	Compact Aura mode: On - hold 1 s
		93	Compact Aura mode: Off - hold 1 s
		94–99	No function
		100	Enable calibration adjustment - hold 5 s
		101	Store pan/tilt calibration - hold 5 s
		102	Store dimmer calibration - hold 5 s
		103–113	No function
		114	Store zoom calibration - hold 5 s
		115–198	No function
		199	Restore all calibration settings to factory defaults - hold 5 s
		200–207	No function
		208	Automatic water-emptying: On - hold 1 s
		209	Automatic water-emptying: Off - hold 1 s
		210	Outdoor routine: Stop and return to normal operation - hold 1 s
		211	Outdoor routine: Empty head - hold 1 s
		212	Outdoor routine: Dry off - hold 1 s
		213	Outdoor routine: Safe parking position - hold 1 s
		214–255	No function
20	LED Frequency	0–127	Adjustment in steps from 2400 to 3000 Hz
		128	Default PWM frequency (3000 Hz)

CH	Function	DMX value	Description
		129–254	No function
		255	High-speed PWM Frequency Mode (24 000 Hz)
21	Rotation	0–127	0-60 degrees enlarge
		128–190	Anti-clockwise infinite turns from fast to slow
		191–192	Stop
		193–255	Clockwise infinite turns from slow to fast

9.4 26 Channel Mode

CH	Function	DMX value	Description
1	Pan	0–255	Pan
2	Pan fine	0–255	Pan fine
3	Tilt	0–255	Tilt
4	Tilt fine	0–255	Tilt fine
5	XY speed	0–255	The XY speed from fast to slow
6	Zoom	0–255	Linear adjustment of angle from small to large
7	Optical rotation (source label: Zoom Rotation)	0–127	0-60 degrees enlarge
		128–190	Anti-clockwise infinite turn from fast to slow
		191–192	Stop
		193–255	Clockwise infinite turns from slow to fast
8	Dimmer	0–255	0-255 Linear dimming from dark to bright
9	Strobe	0–49	Open
		50–200	Strobe from slow to fast
		201–210	Close
		211–255	Random strobe from slow to fast
10	Red	0–255	0-255 Red linear dimming from dark to bright
11	Green	0–255	0-255 Green linear dimming from dark to bright
12	Blue	0–255	0-255 Blue linear dimming from dark to bright
13	White	0–255	0-255 White linear dimming from dark to bright
14	Linear CTO	0–9	No function
		10–255	Color temperature from high to low
15	Built-in color	0–255	Built-in color macro function
16	FX1 selection	0	No effect
		1–255	Effect selection
17	FX1 speed and direction	0–126	Effect reversed from fast to slow
		127–129	Effect stops
		130–255	Effect forward from slow to fast
18	FX2 selection	0	No effect

CH	Function	DMX value	Description
		1–255	Effect selection
19	FX2 speed and direction	0–126	Effect reversed from fast to slow
		127–129	Effect stops
		130–255	Effect forward from slow to fast
20	Aura dimmer	0–255	0-255 Linear dimming from dark to bright
21	Aura strobe	0–49	No function, light up
		50–200	Aura strobe from slow to fast
		211–255	No function, light up
22	Aura red	0–255	Red Aura dimming
23	Aura green	0–255	Green Aura dimming
24	Aura blue	0–255	Aura blue dimming
25	Aura color	0–255	Aura color
26	Reset	0–25	No function
		26–76	Effect reset
		77–127	XY reset
		128–129	No function
		130–134	Fan mute mode
		135–139	Fan standard mode
		140–144	Fan full speed mode
		145–191	No function
		192–255	Full reset

9.5 36 Channel Mode

CH	Function	DMX value	Description
1	Strobe/shutter effect	0–19	Shutter closed
		20–49	Shutter open
		50–200	Strobe from slow to fast
		201–210	Shutter open
		211–255	Random strobe from slow to fast
2	Total dimming	0–255	0-255 Linear dimming is from dark to bright
3	Dimming fine	0–255	Dimming fine
4	Red	0–255	0-255 Red linear dimming from dark to bright
5	Red fine	0–255	Red fine
6	Green	0–255	0-255 Green linear dimming from dark to bright
7	Green fine	0–255	Green fine
8	Blue	0–255	0-255 Blue linear dimming from dark to bright
9	Blue fine	0–255	Blue fine

CH	Function	DMX value	Description
10	CCT / CTC	0–18	1000 K
		19–255	1050 K at DMX 19, increasing in 50 K steps to 12,850 K at DMX 255; DMX 127 = 6450 K, DMX 128 = 6500 K
11	Green-magenta shift (tint)	0–126	Shift toward magenta / negative Duv; 0 = maximum offset
		127–128	Neutral; on black-body curve
		129–255	Shift toward green / positive Duv; 255 = maximum offset
12	Virtual color wheel / color macro	0–10	Open
		11	Moroccan Pink (Lee 790)
		13	Pink (Lee 157)
		15	Special Rose Pink (Lee 332)
		17	Follies Pink (Lee 328)
		19	Fuchsia Pink (Lee 345)
		21	Surprise Pink (Lee 194)
		23	Congo Blue (Lee 181)
		25	Tokyo Blue (Lee 071)
		27	Deep Blue (Lee 120)
		29	Just Blue (Lee 079)
		31	Medium Blue (Lee 132)
		33	Double CT Blue (Lee 200)
		35	Slate Blue (Lee 161)
		37	Full CT Blue (Lee 201)
		39	Half CT Blue (Lee 202)
		41	Steel Blue (Lee 117)
		43	Lighter Blue (Lee 353)
		45	Light Blue (Lee 118)
		47	Medium Blue Green (Lee 116)
		49	Dark Green (Lee 124)
		51	Primary Green (Lee 139)
		53	Moss Green (Lee 089)
		55	Fern Green (Lee 122)
		57	Jas Green (Lee 738)
		59	Lime Green (Lee 088)
		61	Spring Yellow (Lee 100)
		63	Deep Amber (Lee 104)
		65	Chrome Orange (Lee 179)
		67	Orange (Lee 105)
		69	Gold Amber (Lee 021)
		71	Millennium Gold (Lee 778)

CH	Function	DMX value	Description
		73	Deep Golden Amber (Lee 135)
		75	Flame Red (Lee 164)
		77	Red Magenta
		79	Medium Lavender
		81	Pure White
		83	Pure Red
		85	Pure Yellow
		87	Pure Green
		89	Pure Cyan
		91	Pure Blue
		93	Pure Magenta
		95	Peacock Blue (Lee 115)
		97	Dark Lavender (Lee 180)
		99	Double CT Orange (Lee 287)
		101	Full CT Orange (Lee 204)
		103	Half CT Orange (Lee 205)
		105	Deep Straw (Lee 015)
		107–190	No function
		191–214	Continuous clockwise rotation, fast to slow
		215–219	Stop at current position
		220–243	Continuous counter-clockwise rotation, slow to fast
		244–247	Random colors - fast
		248–251	Random colors - medium
		252–255	Random colors - slow
13	ZOOM	0–255	ZOOM
14	ZOOM fine	0–255	ZOOM fine from Narrow to wide
15	Pan rotation control	0–255	Pan
16	Pan fine control	0–255	Pan fine from Left to right
17	Tilt rotation control	0–255	Tilt
18	Tilt fine control	0–255	Tilt fine from Forward to backward
19	Fixture control / settings (hold)	0–9	Exit calibration adjustment and return to normal control - hold 5 s
		10–14	Reset entire fixture - hold 5 s
		15–16	No function
		17	Reset beam only - hold 5 s
		18	Reset pan and tilt only - hold 5 s
		19–22	No function
		23	Dimmer curve: Linear - hold 1 s

CH	Function	DMX value	Description
		24	Dimmer curve: Square Law - hold 1 s
		25	Dimmer curve: Inverse Square Law - hold 1 s
		26	Dimmer curve: S Curve - hold 1 s
		27	No function
		28	Pan/Tilt speed: Fast - hold 1 s
		29	Pan/Tilt speed: Smooth - hold 1 s
		30–35	No function
		36	Video tracking: On - hold 1 s
		37	Video tracking: Off - hold 1 s
		38	Color mode: Extended - hold 1 s
		39	Color mode: Calibrated - hold 1 s
		40–51	No function
		52	Control-panel display: On - hold 1 s
		53	Control-panel display: Off - hold 1 s
		54	Regulated fan / fixed output - hold 1 s
		55	Full fan / regulated output - hold 1 s
		56	Medium fan / regulated output - hold 1 s
		57	Low fan / regulated output - hold 1 s
		58	Ultra-low fan / regulated output - hold 1 s
		59–60	No function
		61	Hibernation mode: On - hold 1 s
		62	Hibernation mode: Off - hold 1 s
		63–64	No function
		65	Pan/Tilt limits: On - hold 1 s
		66	Pan/Tilt limits: Off - hold 1 s
		67	Store lower pan limit - hold 1 s
		68	Store upper pan limit - hold 1 s
		69	Store lower tilt limit - hold 1 s
		70	Store upper tilt limit - hold 1 s
		71	Reset pan/tilt limits - hold 1 s
		72	Tungsten emulation: On - hold 1 s
		73	Tungsten emulation: Off - hold 1 s
		74	Record scene capture - hold 5 s
		75	Scene playback: On - hold 5 s
		76	Scene playback: Off - hold 5 s
		77–91	No function
		92	Compact Aura mode: On - hold 1 s

CH	Function	DMX value	Description
		93	Compact Aura mode: Off - hold 1 s
		94–99	No function
		100	Enable calibration adjustment - hold 5 s
		101	Store pan/tilt calibration - hold 5 s
		102	Store dimmer calibration - hold 5 s
		103–113	No function
		114	Store zoom calibration - hold 5 s
		115–198	No function
		199	Restore all calibration settings to factory defaults - hold 5 s
		200–207	No function
		208	Automatic water-emptying: On - hold 1 s
		209	Automatic water-emptying: Off - hold 1 s
		210	Outdoor routine: Stop and return to normal operation - hold 1 s
		211	Outdoor routine: Empty head - hold 1 s
		212	Outdoor routine: Dry off - hold 1 s
		213	Outdoor routine: Safe parking position - hold 1 s
		214–255	No function
20	LED Frequency	0–127	Adjustment in steps from 2400 to 3000 Hz
		128	Default PWM frequency (3000 Hz)
		129–254	No function
		255	High-speed PWM Frequency Mode (24 000 Hz)
21	Beam P3 Mix	0–26	DMX Mode Intensity and colors fully controlled by DMX, P3 pixel data ignored
		27	Mixed Mode Output fully controlled by DMX (P3 pixel data ignored)
		28–227	Progressive crossfade from DMX to P3 control
		228	Output fully controlled by P3 (DMX data ignored)
		229–255	P3 pixel control mix (DMX superimposed on P3 pixel data)
22	FX1 selection	0	No effect
		1–255	Effect selection (adjust speed and direction on channel 23)
23	FX1 speed and direction	0–126	Effect reversed from fast to slow
		127–129	Effect stops
		130–255	Effect forward from slow to fast
24	FX2 selection	0	No effect
		1–255	Effect selection (adjust speed and direction on channel 25)
25	FX2 speed and direction	0–126	Effect reversed from fast to slow
		127–129	Effect stops
		130–255	Effect forward from slow to fast

CH	Function	DMX value	Description
26	FX synchronization	0	No sync
		1	Offset shift 10°
		2	Offset shift 20°
		3	Offset shift 30°
		33	Offset shift 330°
		34	Offset shift 340°
		35	Offset shift 350°
		36	Synchronized: all fixtures start FX cycles at same time
		37–100	No function
		101–120	Random start (Channel 23 controls overall speed)
		121–140	Random duration
		141–255	No function
27	Aura strobe shutter	0–19	Shutter closed
		20–49	Shutter open
		50–200	Strobe slow to fast
		201–210	Shutter open
		211–255	Random strobe from slow to fast
28	Aura dimmer	0–255	Aura dimmer
29	Aura dimmer fine	0–255	Aura dimmer fine
30	Aura Red	0–255	Aura Red 0 - 100%
31	Aura Green	0–255	Aura Green 0 - 100%
32	Aura Blue	0–255	Aura Blue 0 - 100%
33	CCT / CTC	0–18	1000 K
		19–255	1050 K at DMX 19, increasing in 50 K steps to 12,850 K at DMX 255; DMX 127 = 6450 K, DMX 128 = 6500 K
34	Green-magenta shift (tint)	0–126	Shift toward magenta / negative Duv; 0 = maximum offset
		127–128	Neutral; on black-body curve
		129–255	Shift toward green / positive Duv; 255 = maximum offset
35	Virtual color wheel / color macro	0–10	Open
		11	Moroccan Pink (Lee 790)
		13	Pink (Lee 157)
		15	Special Rose Pink (Lee 332)
		17	Follies Pink (Lee 328)
		19	Fuchsia Pink (Lee 345)
		21	Surprise Pink (Lee 194)
		23	Congo Blue (Lee 181)
		25	Tokyo Blue (Lee 071)
		27	Deep Blue (Lee 120)

CH	Function	DMX value	Description
		29	Just Blue (Lee 079)
		31	Medium Blue (Lee 132)
		33	Double CT Blue (Lee 200)
		35	Slate Blue (Lee 161)
		37	Full CT Blue (Lee 201)
		39	Half CT Blue (Lee 202)
		41	Steel Blue (Lee 117)
		43	Lighter Blue (Lee 353)
		45	Light Blue (Lee 118)
		47	Medium Blue Green (Lee 116)
		49	Dark Green (Lee 124)
		51	Primary Green (Lee 139)
		53	Moss Green (Lee 089)
		55	Fern Green (Lee 122)
		57	Jas Green (Lee 738)
		59	Lime Green (Lee 088)
		61	Spring Yellow (Lee 100)
		63	Deep Amber (Lee 104)
		65	Chrome Orange (Lee 179)
		67	Orange (Lee 105)
		69	Gold Amber (Lee 021)
		71	Millennium Gold (Lee 778)
		73	Deep Golden Amber (Lee 135)
		75	Flame Red (Lee 164)
		77	Red Magenta
		79	Medium Lavender
		81	Pure White
		83	Pure Red
		85	Pure Yellow
		87	Pure Green
		89	Pure Cyan
		91	Pure Blue
		93	Pure Magenta
		95	Peacock Blue (Lee 115)
		97	Dark Lavender (Lee 180)
		99	Double CT Orange (Lee 287)
		101	Full CT Orange (Lee 204)

CH	Function	DMX value	Description
		103	Half CT Orange (Lee 205)
		105	Deep Straw (Lee 015)
		107–190	No function
		191–214	Continuous clockwise rotation, fast to slow
		215–219	Stop at current position
		220–243	Continuous counter-clockwise rotation, slow to fast
		244–247	Random colors - fast
		248–251	Random colors - medium
		252–255	Random colors - slow
36	Aura P3 Mix	0–26	DMX Mode Output fully controlled by DMX (P3 pixel data ignored)
		27	Mixed Mode Output fully controlled by DMX (P3 pixel data ignored)
		28–227	Progressive crossfade from DMX to P3 control
		228	Output fully controlled by P3 (DMX data ignored)
		229–255	P3 pixel control mix (DMX superimposed on P3 pixel data)

9.6 37 Channel Mode

CH	Function	DMX value	Description
1	Strobe/shutter effect	0–19	Shutter closed
		20–49	Shutter open
		50–200	Strobe from slow to fast
		201–210	Shutter open
		211–255	Random strobe from slow to fast
2	Total dimming	0–255	0-255 Linear dimming is from dark to bright
3	Dimming fine	0–255	Dimming fine
4	Red	0–255	0-255 Red linear dimming from dark to bright
5	Red fine	0–255	Red fine
6	Green	0–255	0-255 Green linear dimming from dark to bright
7	Green fine	0–255	Green fine
8	Blue	0–255	0-255 Blue linear dimming from dark to bright
9	Blue fine	0–255	Blue fine
10	CCT / CTC	0–18	1000 K
		19–255	1050 K at DMX 19, increasing in 50 K steps to 12,850 K at DMX 255; DMX 127 = 6450 K, DMX 128 = 6500 K
11	Green-magenta shift (tint)	0–126	Shift toward magenta / negative Duv; 0 = maximum offset
		127–128	Neutral; on black-body curve
		129–255	Shift toward green / positive Duv; 255 = maximum offset

CH	Function	DMX value	Description
12	Virtual color wheel / color macro	0–10	Open
		11	Moroccan Pink (Lee 790)
		13	Pink (Lee 157)
		15	Special Rose Pink (Lee 332)
		17	Follies Pink (Lee 328)
		19	Fuchsia Pink (Lee 345)
		21	Surprise Pink (Lee 194)
		23	Congo Blue (Lee 181)
		25	Tokyo Blue (Lee 071)
		27	Deep Blue (Lee 120)
		29	Just Blue (Lee 079)
		31	Medium Blue (Lee 132)
		33	Double CT Blue (Lee 200)
		35	Slate Blue (Lee 161)
		37	Full CT Blue (Lee 201)
		39	Half CT Blue (Lee 202)
		41	Steel Blue (Lee 117)
		43	Lighter Blue (Lee 353)
		45	Light Blue (Lee 118)
		47	Medium Blue Green (Lee 116)
		49	Dark Green (Lee 124)
		51	Primary Green (Lee 139)
		53	Moss Green (Lee 089)
		55	Fern Green (Lee 122)
		57	Jas Green (Lee 738)
		59	Lime Green (Lee 088)
		61	Spring Yellow (Lee 100)
		63	Deep Amber (Lee 104)
		65	Chrome Orange (Lee 179)
		67	Orange (Lee 105)
		69	Gold Amber (Lee 021)
		71	Millennium Gold (Lee 778)
		73	Deep Golden Amber (Lee 135)
		75	Flame Red (Lee 164)
		77	Red Magenta
		79	Medium Lavender
		81	Pure White

CH	Function	DMX value	Description
		83	Pure Red
		85	Pure Yellow
		87	Pure Green
		89	Pure Cyan
		91	Pure Blue
		93	Pure Magenta
		95	Peacock Blue (Lee 115)
		97	Dark Lavender (Lee 180)
		99	Double CT Orange (Lee 287)
		101	Full CT Orange (Lee 204)
		103	Half CT Orange (Lee 205)
		105	Deep Straw (Lee 015)
		107–190	No function
		191–214	Continuous clockwise rotation, fast to slow
		215–219	Stop at current position
		220–243	Continuous counter-clockwise rotation, slow to fast
		244–247	Random colors - fast
		248–251	Random colors - medium
		252–255	Random colors - slow
13	ZOOM	0–255	ZOOM
14	ZOOM fine	0–255	ZOOM fine from Narrow to wide
15	Pan rotation control	0–255	Pan
16	Pan fine control	0–255	Pan fine from Left to right
17	Tilt rotation control	0–255	Tilt
18	Tilt fine control	0–255	Tilt fine from Forward to backward
19	Fixture control / settings (hold)	0–9	Exit calibration adjustment and return to normal control - hold 5 s
		10–14	Reset entire fixture - hold 5 s
		15–16	No function
		17	Reset beam only - hold 5 s
		18	Reset pan and tilt only - hold 5 s
		19–22	No function
		23	Dimmer curve: Linear - hold 1 s
		24	Dimmer curve: Square Law - hold 1 s
		25	Dimmer curve: Inverse Square Law - hold 1 s
		26	Dimmer curve: S Curve - hold 1 s
		27	No function
		28	Pan/Tilt speed: Fast - hold 1 s

CH	Function	DMX value	Description
		29	Pan/Tilt speed: Smooth - hold 1 s
		30–35	No function
		36	Video tracking: On - hold 1 s
		37	Video tracking: Off - hold 1 s
		38	Color mode: Extended - hold 1 s
		39	Color mode: Calibrated - hold 1 s
		40–51	No function
		52	Control-panel display: On - hold 1 s
		53	Control-panel display: Off - hold 1 s
		54	Regulated fan / fixed output - hold 1 s
		55	Full fan / regulated output - hold 1 s
		56	Medium fan / regulated output - hold 1 s
		57	Low fan / regulated output - hold 1 s
		58	Ultra-low fan / regulated output - hold 1 s
		59–60	No function
		61	Hibernation mode: On - hold 1 s
		62	Hibernation mode: Off - hold 1 s
		63–64	No function
		65	Pan/Tilt limits: On - hold 1 s
		66	Pan/Tilt limits: Off - hold 1 s
		67	Store lower pan limit - hold 1 s
		68	Store upper pan limit - hold 1 s
		69	Store lower tilt limit - hold 1 s
		70	Store upper tilt limit - hold 1 s
		71	Reset pan/tilt limits - hold 1 s
		72	Tungsten emulation: On - hold 1 s
		73	Tungsten emulation: Off - hold 1 s
		74	Record scene capture - hold 5 s
		75	Scene playback: On - hold 5 s
		76	Scene playback: Off - hold 5 s
		77–91	No function
		92	Compact Aura mode: On - hold 1 s
		93	Compact Aura mode: Off - hold 1 s
		94–99	No function
		100	Enable calibration adjustment - hold 5 s
		101	Store pan/tilt calibration - hold 5 s
		102	Store dimmer calibration - hold 5 s

CH	Function	DMX value	Description
		103–113	No function
		114	Store zoom calibration - hold 5 s
		115–198	No function
		199	Restore all calibration settings to factory defaults - hold 5 s
		200–207	No function
		208	Automatic water-emptying: On - hold 1 s
		209	Automatic water-emptying: Off - hold 1 s
		210	Outdoor routine: Stop and return to normal operation - hold 1 s
		211	Outdoor routine: Empty head - hold 1 s
		212	Outdoor routine: Dry off - hold 1 s
		213	Outdoor routine: Safe parking position - hold 1 s
		214–255	No function
20	LED Frequency	0–127	Adjustment in steps from 2400 to 3000 Hz
		128	Default PWM frequency (3000 Hz)
		129–254	No function
		255	High-speed PWM Frequency Mode (24 000 Hz)
21	Beam P3 Mix	0–26	DMX Mode Intensity and colors fully controlled by DMX, P3 pixel data ignored
		27	Mixed Mode Output fully controlled by DMX (P3 pixel data ignored)
		28–227	Progressive crossfade from DMX to P3 control
		228	Output fully controlled by P3 (DMX data ignored)
		229–255	P3 pixel control mix (DMX superimposed on P3 pixel data)
22	FX1 selection	0	No effect
		1–255	Effect selection (adjust speed and direction on channel 23)
23	FX1 speed and direction	0–126	Effect reversed from fast to slow
		127–129	Effect stops
		130–255	Effect forward from slow to fast
24	FX2 selection	0	No effect
		1–255	Effect selection (adjust speed and direction on channel 25)
25	FX2 speed and direction	0–126	Effect reversed from fast to slow
		127–129	Effect stops
		130–255	Effect forward from slow to fast
26	FX synchronization	0	No sync
		1	Offset shift 10°
		2	Offset shift 20°
		3	Offset shift 30°
		33	Offset shift 330°

CH	Function	DMX value	Description
		34	Offset shift 340°
		35	Offset shift 350°
		36	Synchronized: all fixtures start FX cycles at same time
		37–100	No function
		101–120	Random start (Channel 23 controls overall speed)
		121–140	Random duration
		141–255	No function
27	Aura strobe shutter	0–19	Shutter closed
		20–49	Shutter open
		50–200	Strobe slow to fast
		201–210	Shutter open
		211–255	Random strobe from slow to fast
28	Aura dimmer	0–255	Aura dimmer
29	Aura dimmer fine	0–255	Aura dimmer fine
30	Aura Red	0–255	Aura Red 0 - 100%
31	Aura Green	0–255	Aura Green 0 - 100%
32	Aura Blue	0–255	Aura Blue 0 - 100%
33	CCT / CTC	0–18	1000 K
		19–255	1050 K at DMX 19, increasing in 50 K steps to 12,850 K at DMX 255; DMX 127 = 6450 K, DMX 128 = 6500 K
34	Green-magenta shift (tint)	0–126	Shift toward magenta / negative Duv; 0 = maximum offset
		127–128	Neutral; on black-body curve
		129–255	Shift toward green / positive Duv; 255 = maximum offset
35	Virtual color wheel / color macro	0–10	Open
		11	Moroccan Pink (Lee 790)
		13	Pink (Lee 157)
		15	Special Rose Pink (Lee 332)
		17	Follies Pink (Lee 328)
		19	Fuchsia Pink (Lee 345)
		21	Surprise Pink (Lee 194)
		23	Congo Blue (Lee 181)
		25	Tokyo Blue (Lee 071)
		27	Deep Blue (Lee 120)
		29	Just Blue (Lee 079)
		31	Medium Blue (Lee 132)
		33	Double CT Blue (Lee 200)
		35	Slate Blue (Lee 161)
		37	Full CT Blue (Lee 201)

CH	Function	DMX value	Description
		39	Half CT Blue (Lee 202)
		41	Steel Blue (Lee 117)
		43	Lighter Blue (Lee 353)
		45	Light Blue (Lee 118)
		47	Medium Blue Green (Lee 116)
		49	Dark Green (Lee 124)
		51	Primary Green (Lee 139)
		53	Moss Green (Lee 089)
		55	Fern Green (Lee 122)
		57	Jas Green (Lee 738)
		59	Lime Green (Lee 088)
		61	Spring Yellow (Lee 100)
		63	Deep Amber (Lee 104)
		65	Chrome Orange (Lee 179)
		67	Orange (Lee 105)
		69	Gold Amber (Lee 021)
		71	Millennium Gold (Lee 778)
		73	Deep Golden Amber (Lee 135)
		75	Flame Red (Lee 164)
		77	Red Magenta
		79	Medium Lavender
		81	Pure White
		83	Pure Red
		85	Pure Yellow
		87	Pure Green
		89	Pure Cyan
		91	Pure Blue
		93	Pure Magenta
		95	Peacock Blue (Lee 115)
		97	Dark Lavender (Lee 180)
		99	Double CT Orange (Lee 287)
		101	Full CT Orange (Lee 204)
		103	Half CT Orange (Lee 205)
		105	Deep Straw (Lee 015)
		107–190	No function
		191–214	Continuous clockwise rotation, fast to slow
		215–219	Stop at current position

CH	Function	DMX value	Description
		220–243	Continuous counter-clockwise rotation, slow to fast
		244–247	Random colors - fast
		248–251	Random colors - medium
		252–255	Random colors - slow
36	Aura P3 Mix	0–26	DMX Mode Output fully controlled by DMX (P3 pixel data ignored)
		27	Mixed Mode Output fully controlled by DMX (P3 pixel data ignored)
		28–227	Progressive crossfade from DMX to P3 control
		228	Output fully controlled by P3 (DMX data ignored)
		229–255	P3 pixel control mix (DMX superimposed on P3 pixel data)
37	Rotation	0–127	0-60 degrees enlarge
		128–190	Anti-clockwise infinite turns from fast to slow
		191–192	Stop
		193–255	Clockwise infinite turns from slow to fast

9.7 57 Channel Mode

CH	Function	DMX value	Description
1	Strobe/shutter effect	0–19	Shutter closed
		20–49	Shutter open
		50–200	Strobe from slow to fast
		201–210	Shutter open
		211–255	Random strobe from slow to fast
2	Total dimming	0–255	0-255 Linear dimming is from dark to bright
3	Dimming fine	0–255	Dimming fine
4	Red	0–255	0-255 Red linear dimming from dark to bright
5	Red fine	0–255	Red fine
6	Green	0–255	0-255 Green linear dimming from dark to bright
7	Green fine	0–255	Green fine
8	Blue	0–255	0-255 Blue linear dimming from dark to bright
9	Blue fine	0–255	Blue fine
10	CCT / CTC	0–18	1000 K
		19–255	1050 K at DMX 19, increasing in 50 K steps to 12,850 K at DMX 255; DMX 127 = 6450 K, DMX 128 = 6500 K
11	Green-magenta shift (tint)	0–126	Shift toward magenta / negative Duv; 0 = maximum offset
		127–128	Neutral; on black-body curve
		129–255	Shift toward green / positive Duv; 255 = maximum offset
12	Virtual color wheel / color macro	0–10	Open

CH	Function	DMX value	Description
		11	Moroccan Pink (Lee 790)
		13	Pink (Lee 157)
		15	Special Rose Pink (Lee 332)
		17	Follies Pink (Lee 328)
		19	Fuchsia Pink (Lee 345)
		21	Surprise Pink (Lee 194)
		23	Congo Blue (Lee 181)
		25	Tokyo Blue (Lee 071)
		27	Deep Blue (Lee 120)
		29	Just Blue (Lee 079)
		31	Medium Blue (Lee 132)
		33	Double CT Blue (Lee 200)
		35	Slate Blue (Lee 161)
		37	Full CT Blue (Lee 201)
		39	Half CT Blue (Lee 202)
		41	Steel Blue (Lee 117)
		43	Lighter Blue (Lee 353)
		45	Light Blue (Lee 118)
		47	Medium Blue Green (Lee 116)
		49	Dark Green (Lee 124)
		51	Primary Green (Lee 139)
		53	Moss Green (Lee 089)
		55	Fern Green (Lee 122)
		57	Jas Green (Lee 738)
		59	Lime Green (Lee 088)
		61	Spring Yellow (Lee 100)
		63	Deep Amber (Lee 104)
		65	Chrome Orange (Lee 179)
		67	Orange (Lee 105)
		69	Gold Amber (Lee 021)
		71	Millennium Gold (Lee 778)
		73	Deep Golden Amber (Lee 135)
		75	Flame Red (Lee 164)
		77	Red Magenta
		79	Medium Lavender
		81	Pure White
		83	Pure Red

CH	Function	DMX value	Description
		85	Pure Yellow
		87	Pure Green
		89	Pure Cyan
		91	Pure Blue
		93	Pure Magenta
		95	Peacock Blue (Lee 115)
		97	Dark Lavender (Lee 180)
		99	Double CT Orange (Lee 287)
		101	Full CT Orange (Lee 204)
		103	Half CT Orange (Lee 205)
		105	Deep Straw (Lee 015)
		107–190	No function
		191–214	Continuous clockwise rotation, fast to slow
		215–219	Stop at current position
		220–243	Continuous counter-clockwise rotation, slow to fast
		244–247	Random colors - fast
		248–251	Random colors - medium
		252–255	Random colors - slow
13	ZOOM	0–255	ZOOM
14	ZOOM fine	0–255	ZOOM fine from Narrow to wide
15	Pan rotation control	0–255	Pan
16	Pan fine control	0–255	Pan fine from Left to right
17	Tilt rotation control	0–255	Tilt
18	Tilt fine control	0–255	Tilt fine from Forward to backward
19	Fixture control / settings (hold)	0–9	Exit calibration adjustment and return to normal control - hold 5 s
		10–14	Reset entire fixture - hold 5 s
		15–16	No function
		17	Reset beam only - hold 5 s
		18	Reset pan and tilt only - hold 5 s
		19–22	No function
		23	Dimmer curve: Linear - hold 1 s
		24	Dimmer curve: Square Law - hold 1 s
		25	Dimmer curve: Inverse Square Law - hold 1 s
		26	Dimmer curve: S Curve - hold 1 s
		27	No function
		28	Pan/Tilt speed: Fast - hold 1 s
		29	Pan/Tilt speed: Smooth - hold 1 s

CH	Function	DMX value	Description
		30–35	No function
		36	Video tracking: On - hold 1 s
		37	Video tracking: Off - hold 1 s
		38	Color mode: Extended - hold 1 s
		39	Color mode: Calibrated - hold 1 s
		40–51	No function
		52	Control-panel display: On - hold 1 s
		53	Control-panel display: Off - hold 1 s
		54	Regulated fan / fixed output - hold 1 s
		55	Full fan / regulated output - hold 1 s
		56	Medium fan / regulated output - hold 1 s
		57	Low fan / regulated output - hold 1 s
		58	Ultra-low fan / regulated output - hold 1 s
		59–60	No function
		61	Hibernation mode: On - hold 1 s
		62	Hibernation mode: Off - hold 1 s
		63–64	No function
		65	Pan/Tilt limits: On - hold 1 s
		66	Pan/Tilt limits: Off - hold 1 s
		67	Store lower pan limit - hold 1 s
		68	Store upper pan limit - hold 1 s
		69	Store lower tilt limit - hold 1 s
		70	Store upper tilt limit - hold 1 s
		71	Reset pan/tilt limits - hold 1 s
		72	Tungsten emulation: On - hold 1 s
		73	Tungsten emulation: Off - hold 1 s
		74	Record scene capture - hold 5 s
		75	Scene playback: On - hold 5 s
		76	Scene playback: Off - hold 5 s
		77–91	No function
		92	Compact Aura mode: On - hold 1 s
		93	Compact Aura mode: Off - hold 1 s
		94–99	No function
		100	Enable calibration adjustment - hold 5 s
		101	Store pan/tilt calibration - hold 5 s
		102	Store dimmer calibration - hold 5 s
		103–113	No function

CH	Function	DMX value	Description
		114	Store zoom calibration - hold 5 s
		115–198	No function
		199	Restore all calibration settings to factory defaults - hold 5 s
		200–207	No function
		208	Automatic water-emptying: On - hold 1 s
		209	Automatic water-emptying: Off - hold 1 s
		210	Outdoor routine: Stop and return to normal operation - hold 1 s
		211	Outdoor routine: Empty head - hold 1 s
		212	Outdoor routine: Dry off - hold 1 s
		213	Outdoor routine: Safe parking position - hold 1 s
		214–255	No function
20	LED Frequency	0–127	Adjustment in steps from 2400 to 3000 Hz
		128	Default PWM frequency (3000 Hz)
		129–254	No function
		255	High-speed PWM Frequency Mode (24 000 Hz)
21	Beam P3 Mix	0–26	DMX Mode Intensity and colors fully controlled by DMX, P3 pixel data ignored
		27	Mixed Mode Output fully controlled by DMX (P3 pixel data ignored)
		28–227	Progressive crossfade from DMX to P3 control
		228	Output fully controlled by P3 (DMX data ignored)
		229–255	P3 pixel control mix (DMX superimposed on P3 pixel data)
22	FX1 selection	0	No effect
		1–255	Effect selection (adjust speed and direction on channel 23)
23	FX1 speed and direction	0–126	Effect reversed from fast to slow
		127–129	Effect stops
		130–255	Effect forward from slow to fast
24	FX2 selection	0	No effect
		1–255	Effect selection (adjust speed and direction on channel 25)
25	FX2 speed and direction	0–126	Effect reversed from fast to slow
		127–129	Effect stops
		130–255	Effect forward from slow to fast
26	FX synchronization	0	No sync
		1	Offset shift 10°
		2	Offset shift 20°
		3	Offset shift 30°
		33	Offset shift 330°
		34	Offset shift 340°

CH	Function	DMX value	Description
		35	Offset shift 350°
		36	Synchronized: all fixtures start FX cycles at same time
		37–100	No function
		101–120	Random start (Channel 23 controls overall speed)
		121–140	Random duration
		141–255	No function
27	Aura strobe shutter	0–19	Shutter closed
		20–49	Shutter open
		50–200	Strobe slow to fast
		201–210	Shutter open
		211–255	Random strobe from slow to fast
28	Aura dimmer	0–255	Aura dimmer
29	Aura dimmer fine	0–255	Aura dimmer fine
30	Aura Red	0–255	Aura Red 0 - 100%
31	Aura Green	0–255	Aura Green 0 - 100%
32	Aura Blue	0–255	Aura Blue 0 - 100%
33	CCT / CTC	0–18	1000 K
		19–255	1050 K at DMX 19, increasing in 50 K steps to 12,850 K at DMX 255; DMX 127 = 6450 K, DMX 128 = 6500 K
34	Green-magenta shift (tint)	0–126	Shift toward magenta / negative Duv; 0 = maximum offset
		127–128	Neutral; on black-body curve
		129–255	Shift toward green / positive Duv; 255 = maximum offset
35	Virtual color wheel / color macro	0–10	Open
		11	Moroccan Pink (Lee 790)
		13	Pink (Lee 157)
		15	Special Rose Pink (Lee 332)
		17	Follies Pink (Lee 328)
		19	Fuchsia Pink (Lee 345)
		21	Surprise Pink (Lee 194)
		23	Congo Blue (Lee 181)
		25	Tokyo Blue (Lee 071)
		27	Deep Blue (Lee 120)
		29	Just Blue (Lee 079)
		31	Medium Blue (Lee 132)
		33	Double CT Blue (Lee 200)
		35	Slate Blue (Lee 161)
		37	Full CT Blue (Lee 201)
		39	Half CT Blue (Lee 202)

CH	Function	DMX value	Description
		41	Steel Blue (Lee 117)
		43	Lighter Blue (Lee 353)
		45	Light Blue (Lee 118)
		47	Medium Blue Green (Lee 116)
		49	Dark Green (Lee 124)
		51	Primary Green (Lee 139)
		53	Moss Green (Lee 089)
		55	Fern Green (Lee 122)
		57	Jas Green (Lee 738)
		59	Lime Green (Lee 088)
		61	Spring Yellow (Lee 100)
		63	Deep Amber (Lee 104)
		65	Chrome Orange (Lee 179)
		67	Orange (Lee 105)
		69	Gold Amber (Lee 021)
		71	Millennium Gold (Lee 778)
		73	Deep Golden Amber (Lee 135)
		75	Flame Red (Lee 164)
		77	Red Magenta
		79	Medium Lavender
		81	Pure White
		83	Pure Red
		85	Pure Yellow
		87	Pure Green
		89	Pure Cyan
		91	Pure Blue
		93	Pure Magenta
		95	Peacock Blue (Lee 115)
		97	Dark Lavender (Lee 180)
		99	Double CT Orange (Lee 287)
		101	Full CT Orange (Lee 204)
		103	Half CT Orange (Lee 205)
		105	Deep Straw (Lee 015)
		107–190	No function
		191–214	Continuous clockwise rotation, fast to slow
		215–219	Stop at current position
		220–243	Continuous counter-clockwise rotation, slow to fast

CH	Function	DMX value	Description
		244–247	Random colors - fast
		248–251	Random colors - medium
		252–255	Random colors - slow
36	Aura P3 Mix	0–26	DMX Mode Output fully controlled by DMX (P3 pixel data ignored)
		27	Mixed Mode Output fully controlled by DMX (P3 pixel data ignored)
		28–227	Progressive crossfade from DMX to P3 control
		228	Output fully controlled by P3 (DMX data ignored)
		229–255	P3 pixel control mix (DMX superimposed on P3 pixel data)
37	Pixel 1 Red	0–255	Pixel 1 Red 0 - 100%
38	Pixel 1 Green	0–255	Pixel 1 Green 0 - 100%
39	Pixel 1 Blue	0–255	Pixel 1 Blue 0 - 100%
40	Pixel 2 Red	0–255	Pixel 2 Red 0 - 100%
41	Pixel 2 Green	0–255	Pixel 2 Green 0 - 100%
42	Pixel 2 Blue	0–255	Pixel 2 Blue 0 - 100%
43	Pixel 3 Red	0–255	Pixel 3 Red 0-100%
44	Pixel 3 Green	0–255	Pixel 3 Green 0-100%
45	Pixel 3 Blue	0–255	Pixel 3 Blue 0-100%
46	Pixel 4 Red	0–255	Pixel 4 Red 0-100%
47	Pixel 4 Green	0–255	Pixel 4 Green 0-100%
48	Pixel 4 Blue	0–255	Pixel 4 Blue 0-100%
49	Pixel 5 Red	0–255	Pixel 5 Red 0-100%
50	Pixel 5 Green	0–255	Pixel 5 Green 0-100%
51	Pixel 5 Blue	0–255	Pixel 5 Blue 0-100%
52	Pixel 6 Red	0–255	Pixel 6 Red 0 - 100%
53	Pixel 6 Green	0–255	Pixel 6 Green 0 - 100%
54	Pixel 6 Blue	0–255	Pixel 6 Blue 0 - 100%
55	Pixel 7 Red	0–255	Pixel 7 Red 0 - 100%
56	Pixel 7 Green	0–255	Pixel 7 Green 0 - 100%
57	Pixel 7 Blue	0–255	Pixel 7 Blue 0 - 100%

9.8 78 Channel Mode

CH	Function	DMX value	Description
1	Red	0–255	Red
2	Red Fine	0–255	Red fine
3	Green	0–255	Green
4	Green Fine	0–255	Green fine

CH	Function	DMX value	Description
5	Blue	0–255	Blue
6	Blue Fine	0–255	Blue fine
7	White	0–255	White
8	White Fine	0–255	White fine
9	Linear CTO / CCT	0–255	Color temperature linear
10	Color macro	0–255	Color macro
11	Strobe	0–3	Closed / blackout
		4–103	Strobe from slow to fast
		104–107	Open
		108–207	Pulse strobe from fast to slow
		208–212	Open
		213–251	Random strobe
		252–255	Open
12	Dimmer	0–255	0-100% linear dimming, dark to full
13	Dimmer Fine	0–255	Dimmer fine
14	Pan	0–255	Pan movement
15	Pan Fine	0–255	Pan fine
16	Tilt	0–255	Tilt movement
17	Tilt Fine	0–255	Tilt fine control
18	Function	0–255	Reserved macro function; no behavior defined
19	Reset	0–250	No function
		251–255	Fixture reset when held for 5 seconds.
20	Zoom	0–255	Zoom
21	Optical rotation (source label: Zoom Rotation)	0–127	0 to 60 degree
		128–191	Unlimited clockwise rotation from fast to slow
		192–255	Unlimited anticlockwise rotation from fast to slow
22	Pixel 1 Red 0 - 100%	0–255	Pixel 1 Red
23	Pixel 1 Green 0 - 100%	0–255	Pixel 1 Green
24	Pixel 1 Blue 0 - 100%	0–255	Pixel 1 Blue
25	Pixel 2 Red 0 - 100%	0–255	Pixel 2 Red
26	Pixel 2 Green 0 - 100%	0–255	Pixel 2 Green
27	Pixel 2 Blue 0 - 100%	0–255	Pixel 2 Blue
28	Pixel 3 Red 0-100%	0–255	Pixel 3 Red
29	Pixel 3 Green 0-100%	0–255	Pixel 3 Green
30	Pixel 3 Blue 0-100%	0–255	Pixel 3 Blue
31	Pixel 4 Red 0-100%	0–255	Pixel 4 Red
32	Pixel 4 Green 0-100%	0–255	Pixel 4 Green

CH	Function	DMX value	Description
33	Pixel 4 Blue 0-100%	0–255	Pixel 4 Blue
34	Pixel 5 Red 0-100%	0–255	Pixel 5 Red
35	Pixel 5 Green 0-100%	0–255	Pixel 5 Green
36	Pixel 5 Blue 0-100%	0–255	Pixel 5 Blue
37	Pixel 6 Red 0 - 100%	0–255	Pixel 6 Red
38	Pixel 6 Green 0 - 100%	0–255	Pixel 6 Green
39	Pixel 6 Blue 0 - 100%	0–255	Pixel 6 Blue
40	Pixel 7 Red 0 - 100%	0–255	Pixel 7 Red
41	Pixel 7 Green 0 - 100%	0–255	Pixel 7 Green
42	Pixel 7 Blue 0 - 100%	0–255	Pixel 7 Blue
43	Filament 1 Red 0 - 100%	0–255	Filament 1 Red
44	Filament 1 Green 0 - 100%	0–255	Filament 1 Green
45	Filament 1 Blue 0 - 100%	0–255	Filament 1 Blue
46	Filament 2 Red 0 - 100%	0–255	Filament 2 Red
47	Filament 2 Green 0 - 100%	0–255	Filament 2 Green
48	Filament 2 Blue 0 - 100%	0–255	Filament 2 Blue
49	Filament 3 Red 0-100%	0–255	Filament 3 Red
50	Filament 3 Green 0-100%	0–255	Filament 3 Green
51	Filament 3 Blue 0-100%	0–255	Filament 3 Blue
52	Filament 4 Red 0-100%	0–255	Filament 4 Red
53	Filament 4 Green 0-100%	0–255	Filament 4 Green
54	Filament 4 Blue 0-100%	0–255	Filament 4 Blue
55	Filament 5 Red 0-100%	0–255	Filament 5 Red
56	Filament 5 Green 0-100%	0–255	Filament 5 Green
57	Filament 5 Blue 0-100%	0–255	Filament 5 Blue
58	Filament 6 Red 0-100%	0–255	Filament 6 Red
59	Filament 6 Green 0-100%	0–255	Filament 6 Green
60	Filament 6 Blue 0-100%	0–255	Filament 6 Blue
61	Filament 7 Red 0-100%	0–255	Filament 7 Red
62	Filament 7 Green 0-100%	0–255	Filament 7 Green
63	Filament 7 Blue 0-100%	0–255	Filament 7 Blue
64	Filament 8 Red 0-100%	0–255	Filament 8 Red
65	Filament 8 Green 0-100%	0–255	Filament 8 Green
66	Filament 8 Blue 0-100%	0–255	Filament 8 Blue
67	Filament 9 Red 0-100%	0–255	Filament 9 Red
68	Filament 9 Green 0-100%	0–255	Filament 9 Green
69	Filament 9 Blue 0-100%	0–255	Filament 9 Blue

CH	Function	DMX value	Description
70	Filament 10 Red 0-100%	0–255	Filament 10 Red
71	Filament 10 Green 0-100%	0–255	Filament 10 Green
72	Filament 10 Blue 0-100%	0–255	Filament 10 Blue
73	Filament 11 Red 0 - 100%	0–255	Filament 11 Red
74	Filament 11 Green 0 - 100%	0–255	Filament 11 Green
75	Filament 11 Blue 0 - 100%	0–255	Filament 11 Blue
76	Filament 12 Red 0 - 100%	0–255	Filament 12 Red
77	Filament 12 Green 0 - 100%	0–255	Filament 12 Green
78	Filament 12 Blue 0 - 100%	0–255	Filament 12 Blue

9.9 93 Channel Mode

CH	Function	DMX value	Description
1	Strobe/shutter effect	0–19	Shutter closed
		20–49	Shutter open
		50–200	Strobe from slow to fast
		201–210	Shutter open
		211–255	Random strobe from slow to fast
2	Total dimming	0–255	0-255 Linear dimming is from dark to bright
3	Dimming fine	0–255	Dimming fine
4	Red	0–255	0-255 Red linear dimming from dark to bright
5	Red fine	0–255	Red fine
6	Green	0–255	0-255 Green linear dimming from dark to bright
7	Green fine	0–255	Green fine
8	Blue	0–255	0-255 Blue linear dimming from dark to bright
9	Blue fine	0–255	Blue fine
10	CCT / CTC	0–18	1000 K
		19–255	1050 K at DMX 19, increasing in 50 K steps to 12,850 K at DMX 255; DMX 127 = 6450 K, DMX 128 = 6500 K
11	Green-magenta shift (tint)	0–126	Shift toward magenta / negative Duv; 0 = maximum offset
		127–128	Neutral; on black-body curve
		129–255	Shift toward green / positive Duv; 255 = maximum offset
12	Virtual color wheel / color macro	0–10	Open
		11	Moroccan Pink (Lee 790)
		13	Pink (Lee 157)
		15	Special Rose Pink (Lee 332)
		17	Follies Pink (Lee 328)
		19	Fuchsia Pink (Lee 345)
		21	Surprise Pink (Lee 194)

CH	Function	DMX value	Description
		23	Congo Blue (Lee 181)
		25	Tokyo Blue (Lee 071)
		27	Deep Blue (Lee 120)
		29	Just Blue (Lee 079)
		31	Medium Blue (Lee 132)
		33	Double CT Blue (Lee 200)
		35	Slate Blue (Lee 161)
		37	Full CT Blue (Lee 201)
		39	Half CT Blue (Lee 202)
		41	Steel Blue (Lee 117)
		43	Lighter Blue (Lee 353)
		45	Light Blue (Lee 118)
		47	Medium Blue Green (Lee 116)
		49	Dark Green (Lee 124)
		51	Primary Green (Lee 139)
		53	Moss Green (Lee 089)
		55	Fern Green (Lee 122)
		57	Jas Green (Lee 738)
		59	Lime Green (Lee 088)
		61	Spring Yellow (Lee 100)
		63	Deep Amber (Lee 104)
		65	Chrome Orange (Lee 179)
		67	Orange (Lee 105)
		69	Gold Amber (Lee 021)
		71	Millennium Gold (Lee 778)
		73	Deep Golden Amber (Lee 135)
		75	Flame Red (Lee 164)
		77	Red Magenta
		79	Medium Lavender
		81	Pure White
		83	Pure Red
		85	Pure Yellow
		87	Pure Green
		89	Pure Cyan
		91	Pure Blue
		93	Pure Magenta
		95	Peacock Blue (Lee 115)

CH	Function	DMX value	Description
		97	Dark Lavender (Lee 180)
		99	Double CT Orange (Lee 287)
		101	Full CT Orange (Lee 204)
		103	Half CT Orange (Lee 205)
		105	Deep Straw (Lee 015)
		107–190	No function
		191–214	Continuous clockwise rotation, fast to slow
		215–219	Stop at current position
		220–243	Continuous counter-clockwise rotation, slow to fast
		244–247	Random colors - fast
		248–251	Random colors - medium
		252–255	Random colors - slow
13	ZOOM	0–255	ZOOM
14	ZOOM fine	0–255	ZOOM fine from Narrow to wide
15	Pan rotation control	0–255	Pan
16	Pan fine control	0–255	Pan fine from Left to right
17	Tilt rotation control	0–255	Tilt
18	Tilt fine control	0–255	Tilt fine from Forward to backward
19	Fixture control / settings (hold)	0–9	Exit calibration adjustment and return to normal control - hold 5 s
		10–14	Reset entire fixture - hold 5 s
		15–16	No function
		17	Reset beam only - hold 5 s
		18	Reset pan and tilt only - hold 5 s
		19–22	No function
		23	Dimmer curve: Linear - hold 1 s
		24	Dimmer curve: Square Law - hold 1 s
		25	Dimmer curve: Inverse Square Law - hold 1 s
		26	Dimmer curve: S Curve - hold 1 s
		27	No function
		28	Pan/Tilt speed: Fast - hold 1 s
		29	Pan/Tilt speed: Smooth - hold 1 s
		30–35	No function
		36	Video tracking: On - hold 1 s
		37	Video tracking: Off - hold 1 s
		38	Color mode: Extended - hold 1 s
		39	Color mode: Calibrated - hold 1 s
		40–51	No function

CH	Function	DMX value	Description
		52	Control-panel display: On - hold 1 s
		53	Control-panel display: Off - hold 1 s
		54	Regulated fan / fixed output - hold 1 s
		55	Full fan / regulated output - hold 1 s
		56	Medium fan / regulated output - hold 1 s
		57	Low fan / regulated output - hold 1 s
		58	Ultra-low fan / regulated output - hold 1 s
		59–60	No function
		61	Hibernation mode: On - hold 1 s
		62	Hibernation mode: Off - hold 1 s
		63–64	No function
		65	Pan/Tilt limits: On - hold 1 s
		66	Pan/Tilt limits: Off - hold 1 s
		67	Store lower pan limit - hold 1 s
		68	Store upper pan limit - hold 1 s
		69	Store lower tilt limit - hold 1 s
		70	Store upper tilt limit - hold 1 s
		71	Reset pan/tilt limits - hold 1 s
		72	Tungsten emulation: On - hold 1 s
		73	Tungsten emulation: Off - hold 1 s
		74	Record scene capture - hold 5 s
		75	Scene playback: On - hold 5 s
		76	Scene playback: Off - hold 5 s
		77–91	No function
		92	Compact Aura mode: On - hold 1 s
		93	Compact Aura mode: Off - hold 1 s
		94–99	No function
		100	Enable calibration adjustment - hold 5 s
		101	Store pan/tilt calibration - hold 5 s
		102	Store dimmer calibration - hold 5 s
		103–113	No function
		114	Store zoom calibration - hold 5 s
		115–198	No function
		199	Restore all calibration settings to factory defaults - hold 5 s
		200–207	No function
		208	Automatic water-emptying: On - hold 1 s
		209	Automatic water-emptying: Off - hold 1 s

CH	Function	DMX value	Description
		210	Outdoor routine: Stop and return to normal operation - hold 1 s
		211	Outdoor routine: Empty head - hold 1 s
		212	Outdoor routine: Dry off - hold 1 s
		213	Outdoor routine: Safe parking position - hold 1 s
		214–255	No function
20	LED Frequency	0–127	Adjustment in steps from 2400 to 3000 Hz
		128	Default PWM frequency (3000 Hz)
		129–254	No function
		255	High-speed PWM Frequency Mode (24 000 Hz)
21	Beam P3 Mix	0–26	DMX Mode Intensity and colors fully controlled by DMX, P3 pixel data ignored
		27	Mixed Mode Output fully controlled by DMX (P3 pixel data ignored)
		28–227	Progressive crossfade from DMX to P3 control
		228	Output fully controlled by P3 (DMX data ignored)
		229–255	P3 pixel control mix (DMX superimposed on P3 pixel data)
22	FX1 selection	0	No effect
		1–255	Effect selection (adjust speed and direction on channel 23)
23	FX1 speed and direction	0–126	Effect reversed from fast to slow
		127–129	Effect stops
		130–255	Effect forward from slow to fast
24	FX2 selection	0	No effect
		1–255	Effect selection (adjust speed and direction on channel 25)
25	FX2 speed and direction	0–126	Effect reversed from fast to slow
		127–129	Effect stops
		130–255	Effect forward from slow to fast
26	FX synchronization	0	No sync
		1	Offset shift 10°
		2	Offset shift 20°
		3	Offset shift 30°
		33	Offset shift 330°
		34	Offset shift 340°
		35	Offset shift 350°
		36	Synchronized: all fixtures start FX cycles at same time
		37–100	No function
		101–120	Random start (Channel 23 controls overall speed)
		121–140	Random duration
		141–255	No function

CH	Function	DMX value	Description
27	Aura strobe shutter	0–19	Shutter closed
		20–49	Shutter open
		50–200	Strobe slow to fast
		201–210	Shutter open
		211–255	Random strobe from slow to fast
28	Aura dimmer	0–255	Aura dimmer
29	Aura dimmer fine	0–255	Aura dimmer fine
30	Aura Red	0–255	Aura Red 0 - 100%
31	Aura Green	0–255	Aura Green 0 - 100%
32	Aura Blue	0–255	Aura Blue 0 - 100%
33	CCT / CTC	0–18	1000 K
		19–255	1050 K at DMX 19, increasing in 50 K steps to 12,850 K at DMX 255; DMX 127 = 6450 K, DMX 128 = 6500 K
34	Green-magenta shift (tint)	0–126	Shift toward magenta / negative Duv; 0 = maximum offset
		127–128	Neutral; on black-body curve
		129–255	Shift toward green / positive Duv; 255 = maximum offset
35	Virtual color wheel / color macro	0–10	Open
		11	Moroccan Pink (Lee 790)
		13	Pink (Lee 157)
		15	Special Rose Pink (Lee 332)
		17	Follies Pink (Lee 328)
		19	Fuchsia Pink (Lee 345)
		21	Surprise Pink (Lee 194)
		23	Congo Blue (Lee 181)
		25	Tokyo Blue (Lee 071)
		27	Deep Blue (Lee 120)
		29	Just Blue (Lee 079)
		31	Medium Blue (Lee 132)
		33	Double CT Blue (Lee 200)
		35	Slate Blue (Lee 161)
		37	Full CT Blue (Lee 201)
		39	Half CT Blue (Lee 202)
		41	Steel Blue (Lee 117)
		43	Lighter Blue (Lee 353)
		45	Light Blue (Lee 118)
		47	Medium Blue Green (Lee 116)
		49	Dark Green (Lee 124)
		51	Primary Green (Lee 139)

CH	Function	DMX value	Description
		53	Moss Green (Lee 089)
		55	Fern Green (Lee 122)
		57	Jas Green (Lee 738)
		59	Lime Green (Lee 088)
		61	Spring Yellow (Lee 100)
		63	Deep Amber (Lee 104)
		65	Chrome Orange (Lee 179)
		67	Orange (Lee 105)
		69	Gold Amber (Lee 021)
		71	Millennium Gold (Lee 778)
		73	Deep Golden Amber (Lee 135)
		75	Flame Red (Lee 164)
		77	Red Magenta
		79	Medium Lavender
		81	Pure White
		83	Pure Red
		85	Pure Yellow
		87	Pure Green
		89	Pure Cyan
		91	Pure Blue
		93	Pure Magenta
		95	Peacock Blue (Lee 115)
		97	Dark Lavender (Lee 180)
		99	Double CT Orange (Lee 287)
		101	Full CT Orange (Lee 204)
		103	Half CT Orange (Lee 205)
		105	Deep Straw (Lee 015)
		107–190	No function
		191–214	Continuous clockwise rotation, fast to slow
		215–219	Stop at current position
		220–243	Continuous counter-clockwise rotation, slow to fast
		244–247	Random colors - fast
		248–251	Random colors - medium
		252–255	Random colors - slow
36	Aura P3 Mix	0–26	DMX Mode Output fully controlled by DMX (P3 pixel data ignored)
		27	Mixed Mode Output fully controlled by DMX (P3 pixel data ignored)

CH	Function	DMX value	Description
		28–227	Progressive crossfade from DMX to P3 control
		228	Output fully controlled by P3 (DMX data ignored)
		229–255	P3 pixel control mix (DMX superimposed on P3 pixel data)
37	Pixel 1 Red	0–255	Pixel 1 Red 0 - 100%
38	Pixel 1 Green	0–255	Pixel 1 Green 0 - 100%
39	Pixel 1 Blue	0–255	Pixel 1 Blue 0 - 100%
40	Pixel 2 Red	0–255	Pixel 2 Red 0 - 100%
41	Pixel 2 Green	0–255	Pixel 2 Green 0 - 100%
42	Pixel 2 Blue	0–255	Pixel 2 Blue 0 - 100%
43	Pixel 3 Red	0–255	Pixel 3 Red 0-100%
44	Pixel 3 Green	0–255	Pixel 3 Green 0-100%
45	Pixel 3 Blue	0–255	Pixel 3 Blue 0-100%
46	Pixel 4 Red	0–255	Pixel 4 Red 0-100%
47	Pixel 4 Green	0–255	Pixel 4 Green 0-100%
48	Pixel 4 Blue	0–255	Pixel 4 Blue 0-100%
49	Pixel 5 Red	0–255	Pixel 5 Red 0-100%
50	Pixel 5 Green	0–255	Pixel 5 Green 0-100%
51	Pixel 5 Blue	0–255	Pixel 5 Blue 0-100%
52	Pixel 6 Red	0–255	Pixel 6 Red 0 - 100%
53	Pixel 6 Green	0–255	Pixel 6 Green 0 - 100%
54	Pixel 6 Blue	0–255	Pixel 6 Blue 0 - 100%
55	Pixel 7 Red	0–255	Pixel 7 Red 0 - 100%
56	Pixel 7 Green	0–255	Pixel 7 Green 0 - 100%
57	Pixel 7 Blue	0–255	Pixel 7 Blue 0 - 100%
58	Filament 1 Red	0–255	Filament 1 Red 0 - 100%
59	Filament 1 Green	0–255	Filament 1 Green 0 - 100%
60	Filament 1 Blue	0–255	Filament 1 Blue 0 - 100%
61	Filament 2 Red	0–255	Filament 2 Red 0 - 100%
62	Filament 2 Green	0–255	Filament 2 Green 0 - 100%
63	Filament 2 Blue	0–255	Filament 2 Blue 0 - 100%
64	Filament 3 Red	0–255	Filament 3 Red 0-100%
65	Filament 3 Green	0–255	Filament 3 Green 0-100%
66	Filament 3 Blue	0–255	Filament 3 Blue 0-100%
67	Filament 4 Red	0–255	Filament 4 Red 0-100%
68	Filament 4 Green	0–255	Filament 4 Green 0-100%
69	Filament 4 Blue	0–255	Filament 4 Blue 0-100%
70	Filament 5 Red	0–255	Filament 5 Red 0-100%

CH	Function	DMX value	Description
71	Filament 5 Green	0–255	Filament 5 Green 0-100%
72	Filament 5 Blue	0–255	Filament 5 Blue 0-100%
73	Filament 6 Red	0–255	Filament 6 Red 0-100%
74	Filament 6 Green	0–255	Filament 6 Green 0-100%
75	Filament 6 Blue	0–255	Filament 6 Blue 0-100%
76	Filament 7 Red	0–255	Filament 7 Red 0-100%
77	Filament 7 Green	0–255	Filament 7 Green 0-100%
78	Filament 7 Blue	0–255	Filament 7 Blue 0-100%
79	Filament 8 Red	0–255	Filament 8 Red 0-100%
80	Filament 8 Green	0–255	Filament 8 Green 0-100%
81	Filament 8 Blue	0–255	Filament 8 Blue 0-100%
82	Filament 9 Red	0–255	Filament 9 Red 0-100%
83	Filament 9 Green	0–255	Filament 9 Green 0-100%
84	Filament 9 Blue	0–255	Filament 9 Blue 0-100%
85	Filament 10 Red	0–255	Filament 10 Red 0-100%
86	Filament 10 Green	0–255	Filament 10 Green 0-100%
87	Filament 10 Blue	0–255	Filament 10 Blue 0-100%
88	Filament 11 Red	0–255	Filament 11 Red 0 - 100%
89	Filament 11 Green	0–255	Filament 11 Green 0 - 100%
90	Filament 11 Blue	0–255	Filament 11 Blue 0 - 100%
91	Filament 12 Red	0–255	Filament 12 Red 0 - 100%
92	Filament 12 Green	0–255	Filament 12 Green 0 - 100%
93	Filament 12 Blue	0–255	Filament 12 Blue 0 - 100%

10 Troubleshooting

10 Troubleshooting

Symptom	Possible cause	Corrective action
No power or display	No supply, unlocked connector, open breaker or damaged cable	Verify the branch circuit, rating-label voltage, power cable and the locked POWER IN connector. Test with a known-good approved cable.
Fixture resets repeatedly	Unstable supply, movement obstruction, motor or sensor fault, or overheating	Remove obstructions, verify supply stability and allow cooling. Stop use if the condition repeats.
No light output	Dimmer at zero, shutter closed, no-DMX state or thermal protection	Check the master dimmer, strobe or shutter, the no-DMX setting, received values and temperature status.
No DMX response	Wrong address or personality, cable fault, or incorrect controller output	Match the address and personality, use DMX IN, replace the cable and check the controller output.
Unstable DMX	Incorrect cable, missing terminator, too many loads or electrical interference	Use 120-ohm DMX cable, terminate the last fixture, and use an opto-splitter for branches.
RDM not detected	Controller or splitter does not support RDM	Test directly with an RDM-capable controller and an RDM-compatible splitter.
Art-Net unavailable	Direct network hardware or approved settings are not documented in the source	Confirm the delivered production version and approved network instructions, or test the separate external Art-Net-to-DMX node.
Pan, tilt or rotation does not reach position	Obstruction, invert or range setting, reset fault, or motor or sensor problem	Remove the obstruction, check the settings and perform one reset. Contact service if the fault returns.
Uneven colour or dimming	Calibration changed, dirty optics or different LED temperature	Restore approved settings, clean the optics and allow thermal stabilisation.
Thermistor message	Open or short sensor circuit, or over-temperature condition	Disconnect power and cool the fixture. Arrange service if the message returns.
Moisture visible inside	Rapid temperature change, damaged seal or incorrect service	Disconnect power. Do not open or operate. Arrange authorised drying, a sealing inspection and IP verification.

10.1 Service is required when

- A power or DMX connector, lens, housing, valve, seal, bracket or safety point is damaged.
- A movement, fan, sensor or temperature fault returns after one safe reset.
- Water or corrosion is visible inside the fixture.
- The fixture trips protection devices, emits smoke, smells abnormal or becomes unusually hot.
- Firmware, internal electronics or factory calibration must be repaired or changed.

11 Cleaning and maintenance

11 Cleaning and maintenance

11.1 Inspection

- Check that all mounting screws, brackets, clamps and safety points are tight, undamaged and free of corrosion.
- Check the housing, lenses, seals, connector caps and installation points for deformation or damage.
- Check that moving parts run smoothly, without imbalance, abnormal noise or excessive wear.
- Check power and data cables for cuts, fatigue, damaged insulation, deposits or overheated contacts.
- Check the pressure-equalisation valve and the ventilation paths. Do not loosen or obstruct the valve.

11.2 Cleaning

- Disconnect AC power and let the fixture cool completely.
- Use a soft, lint-free cloth slightly moistened with clean water. Never use alcohol, solvents, abrasives or pressure washing.
- Clean the external lenses and ventilation surfaces at intervals suited to the dust, smoke, salt and pollution level of the installation.
- Do not open the housing for routine cleaning. Internal cleaning and fan service must be carried out by qualified personnel.
- After any internal service, restore all seals and verify water protection before outdoor use.

Cleaning interval: the source draft suggests weekly lens and fan attention, and a detailed electrical inspection every three months. Actual intervals must be set by a qualified installer, according to the environment, duty cycle and local requirements.

11.3 Storage and transport

- Use the original carton or an approved flight case with adequate support.
- Lock or protect moving parts against impact. Do not lift the fixture by the head.
- Keep connector caps closed, and store the fixture dry.
- After cold or humid transport, let the fixture reach ambient temperature before applying power.

12 Compliance, disposal and support

12 Compliance, disposal and support

12.1 Compliance and production-batch information

The source states that the fixture is designed and produced to CE requirements and uses the DMX512 protocol. The declaration of conformity, rating label, serial label and documents supplied with the delivered production batch are the final reference.

Rating-label precedence: where a website, quotation, draft manual or general specification differs from the delivered fixture, use the rating label and the approved production-batch documents.

12.2 Disposal

Do not dispose of the fixture, electronic assemblies, cables or packaging with unsorted household waste. Use an authorised electrical and electronic waste and packaging recycling channel, in line with local regulations.

12.3 Support and spare parts

- Do not use non-approved internal parts, seals, lenses, cables or connectors.
- Record the model, serial number, firmware version and a description of the fault before contacting service.
- Use genuine spare parts through an authorised SSP Professional Lighting dealer or service partner.

For product information and current documentation, visit www.sspworld.com. Keep the model and serial number available when requesting support.