DMX REFERENCE

Robin LEDBeam 200

Robe Lighting



Manufacturer	Robe Lighting
GDTF file	Robe_Lighting_Robin_LEDBeam_200_164890.gdtf
GDTF revision	2026-10-15 Control channel in M1 update
Generated	2026-11-24

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1 About this manual

This document describes the Robin LEDBeam 200™ by Robe Lighting. It was compiled from the GDTF file Robe_Lighting_Robin_LEDBeam_200_164890.gdtf from the GDTF-Share library.

File revision: “2026-10-15 Control channel in M1 update”.

The DMX modes, the channel functions and the technical data are given as the GDTF file states them. Installation, operation from the device's control panel, service and safety instructions are described in the manufacturer's original user manual, which takes precedence over this document.

This document was not issued or endorsed by Robe Lighting; product names and trademarks belong to their owners.

Safety notices are marked with signal words according to the severity of the hazard: DANGER – an imminent hazard that will result in death or serious injury; WARNING – a potential hazard that could result in death or serious injury; CAUTION – a potential hazard that could result in minor injury or property damage; NOTE – additional information for correct and safe use.

> **NOTE** This product is designed for stage and effect lighting. It is not suitable for household room illumination.

2 Quick reference

Parameter	Value
Power consumption	330 W
Weight	5.9 kg

DMX modes

Mode	Channels	Units in one universe	First start addresses
Mode 1 - Arianne Compatible	22	23	1, 23, 45, 67, ...
Mode 2 - Festival	25	20	1, 26, 51, 76, ...
Mode 3 - Full+Screenpix	32	16	1, 33, 65, 97, ...

No light? Check these channels

- Mode 1 - Arianne Compatible: CH 20 Shutter at 32–63 “Shutter open” or 96–127, 160–191, 224–255 “Open”; CH 21 Dimmer above 0
- Mode 2 - Festival: CH 20 Shutter at 32–63 “Shutter open” or 96–127, 160–191, 224–255 “Open”; CH 21 Dimmer above 0
- Mode 3 - Full+Screenpix: CH 20 Shutter at 32–63 “Shutter open” or 96–127, 160–191, 224–255 “Open”; CH 21 Dimmer 1 above 0


Read the manual before use


Risk of electric shock


Do not stare into the light


Indoor use only

3 Safety instructions


Read the manual before use


Risk of electric shock


Do not stare into the light


Indoor use only

⚠ WARNING

- This device is intended for professional use. Installation, connection, setup and maintenance must be carried out only by suitably qualified persons who have read this manual.
- Use the device only for its intended purpose and as described in this manual.
- Do not open the housing and do not modify or tamper with the device. Refer all repairs to an authorized service center.
- Do not use the device if its housing, power or data cable, or a connector is damaged, if the device has been dropped, or if liquid or a foreign object has entered it. In such a case, have it checked by a service center.
- Disconnect the device from the power supply before cleaning, maintenance or any work on the connections.
- After moving the device from a cold to a warm environment, let it reach room temperature before switching it on to prevent condensation inside.
- The device is not a toy; keep it out of the reach of children.

⚠ WARNING

- Connect the device only to a properly installed mains outlet with a protective earth (ground) contact. The outlet or other means of disconnection must remain easily accessible.
- Power supply: 100–240 V, 50/60 Hz. Before connecting, make sure that the mains voltage matches this value and the value on the rating plate of the device.
- Do not connect the device to a dimmer or to a dimmed circuit.
- Use only the original power cable or a cable with identical ratings. Protect the cable from damage, do not run it over sharp edges, and never unplug it by pulling on the cable.
- When connecting several devices to one circuit, do not exceed its permitted load.
- Do not touch the device with wet hands.

⚠ WARNING

- This device is designed for indoor use only. Protect it from rain, splashing water, moisture and dust, and do not place containers with liquids on it.
- Do not operate the device in high humidity, near water, or where condensation can form on it.

⚠ CAUTION

- This device emits intense light. Do not look directly into the light source or the beam at close range; doing so may damage your eyes.
- Do not aim the beam at the eyes of people or animals at close range, and do not view the light source through optical instruments (binoculars, camera lenses).
- Do not aim the beam at flammable or heat-sensitive materials at close range.

⚠ CAUTION

- Strobe and fast flashing light effects can trigger epileptic seizures in susceptible people (photosensitive epilepsy) and can cause nausea or disorientation.
- Inform the audience and performers in advance that strobe effects will be used, for example with a notice at the entrance, and do not use them longer than necessary.

⚠ WARNING

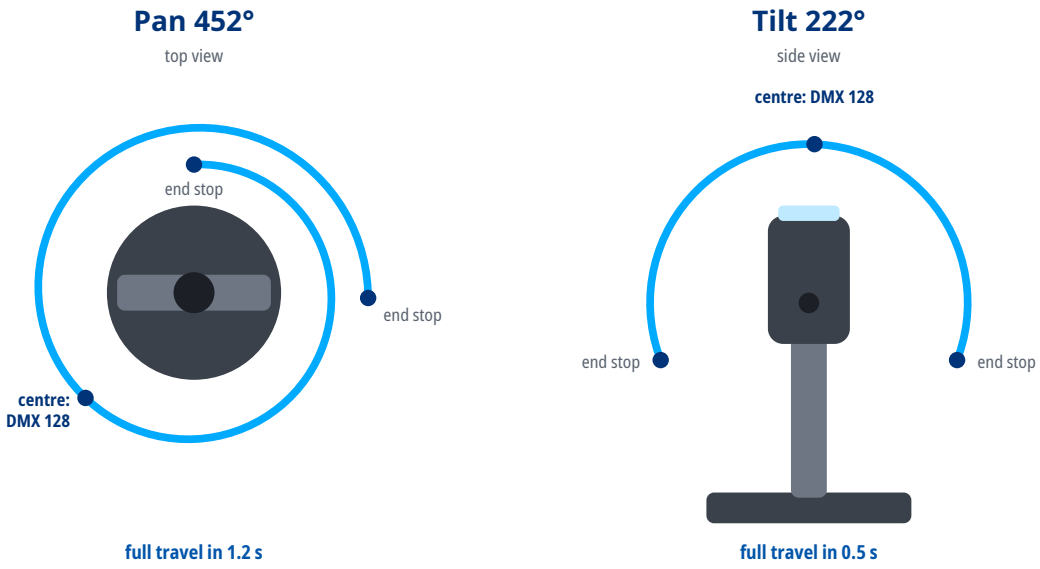
- The moving parts of the device (for example the head or arms) can move quickly and unexpectedly at any time – after power-on, during a reset, or on a command from the controller.
- Keep yourself and any objects out of the range of movement. While the device is switched on, do not touch the moving parts, move them by hand, or obstruct their movement; this can cause injury (pinching) and damage the drive.
- Do not carry the device by its moving parts. If the device has a transport lock, engage it before transport and release it before switching on.

4 Product description

Description in the GDTF file

“Do you love the fast setup and easy transport of the LEDBeam™ family - but want more punch, higher brightness, and richer colour? The super fast LEDBeam 200 builds on everything that made the series so popular, introducing a significantly more powerful LED engine without sacrificing speed or portability. Featuring Robe’s advanced optical design and 7 × 55 W RGBLime multichip LEDs”

Range of movement



Full-travel times as stated in the GDTF file.

5 Installation

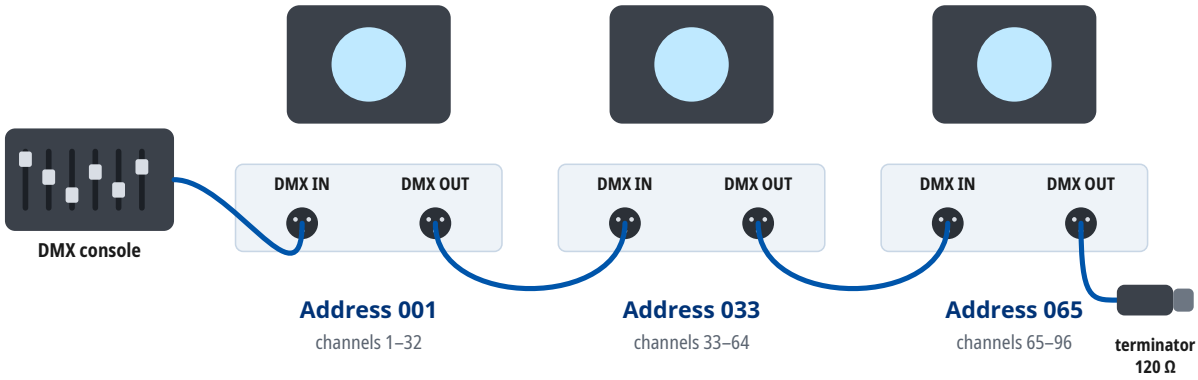
⚠ **WARNING**

- Rigging must be carried out only by qualified persons in accordance with applicable regulations, in particular those for work at height.
- The supporting structure and fixings must safely carry the weight of all suspended devices; verify their load capacity in advance.
- Weight of the device: 5.9 kg.
- Use suitable mounting hardware (for example truss clamps) and tighten all screw connections properly.
- Always secure the suspended device against falling with a safety cable of adequate load capacity, routed through a fixed point of the device and around the supporting structure.
- During installation and removal, keep people out of the area below the work position.
- Regularly inspect the fixings and the safety cable for damage, corrosion and loosening.

6 Connections

- Use shielded cable designed for DMX512 with an impedance of 110 Ω. Ordinary microphone cable is not suitable for DMX, especially over longer distances.
- Connect the devices in a daisy chain: connect the DMX OUT of one device to the DMX IN of the next. Do not split the line with Y-cables or wire it in a star; the line may be split only with a DMX splitter.
- Connect the shield to pin 1 only. Do not connect the shield (ground) to the metal shell of the connector; this can cause short circuits or erratic behavior.
- XLR pin assignment: pin 1 – shield (ground), pin 2 – Data- (Data Complement), pin 3 – Data+ (Data True). On 5-pin connectors, pins 4 and 5 are not connected; a 5-pin connector can be connected to a 3-pin one with a cable adapter.
- Terminate the end of the line (for impedance matching): plug an XLR connector with a 120 Ω, ¼ W resistor between pins 2 and 3 into the DMX OUT of the last device. This reduces the risk of erratic behavior.
- Connect no more than 32 devices to one DMX line. For more devices or longer runs, use a DMX splitter or booster.

DMX line



Mode 3 - Full+Screenpix: every unit occupies 32 channels from its address. At most 32 units on one line; for more units or longer runs use a DMX splitter. A 120 Ω terminator closes the last DMX OUT.

7 Operation

Setting the DMX address

- The device occupies as many consecutive channels in the DMX universe as the selected DMX mode uses, starting at the set start address.
- Number of channels occupied in the DMX mode “Mode 3 - Full+Screenpix”: 32.
- Choose start addresses so that the channels of individual devices do not overlap and the last occupied channel does not exceed 512. Devices with the same start address and mode respond identically.
- For several devices in a row in the DMX mode “Mode 3 - Full+Screenpix”, you can use, for example, the start addresses 1, 33, 65, 97.
- The DMX mode set on the device must match the fixture profile (personality) used in the controller.
- The device supports RDM (Remote Device Management), two-way communication with the controller over the DMX line.

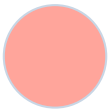
8 Functions at a glance

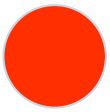
Functions in each DMX mode

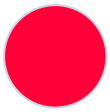
	Mode 1 - Arianne Compatible 22 channels	Mode 2 - Festival 25 channels	Mode 3 - Full+Screenpix 32 channels
Pan / Tilt	1, 3, 6	1, 3, 6	1, 3, 6
Dimmer	21	21	21, 32
Shutter / strobe	20	20	20, 32
Color mixing	4× (8–14)	4× (8–14)	7 channels (8–28)
Color temperature	16	16	16
Color wheel	7	7	7
Zoom	18	18	18

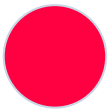
Color wheel

1
No function
DMX 0

2 
Filter 4 (Medium Bastard Amber)
DMX 1–2

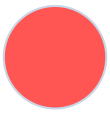
3 
Filter 25 (Sunset Red)
DMX 3–4

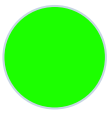
4 
Filter 19 (Fire)
DMX 5–6

5 
Filter 26 (Bright Red)
DMX 7–8

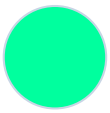
6 
Filter 58 (Lavender)
DMX 9–10

7 
Filter 68 (Sky Blue)
DMX 11–12

8 
Filter 36 (Medium Pink)
DMX 13–14

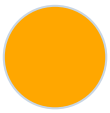
9 
Filter 89 (Moss Green)
DMX 15–16

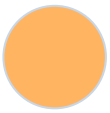
10
Filter 88 (Lime Green)
DMX 17–18

11 
Filter 90 (Dark Yellow Green)
DMX 19–20

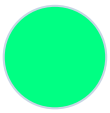
12 
Filter 49 (Medium Purple)
DMX 21–22

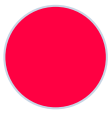
13 
Filter 52 (Light Lavender)
DMX 23–24

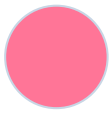
14 
Filter 102 (Light Amber)
DMX 25–26

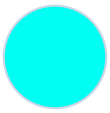
15 
Filter 103 (Straw)
DMX 27–28

16
Filter 140 (Summer Blue)
DMX 29–30

17 
Filter 124 (Dark Green)
DMX 31–32

18 
Filter 106 (Primary Red)
DMX 33–34

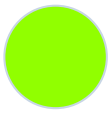
19 
Filter 111 (Dark Pink)
DMX 35–36

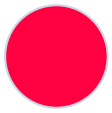
20 
Filter 115 (Peacock Blue)
DMX 37–38

21 
Filter 126 (Mauve)
DMX 39–40

22
Filter 117 (Steel Blue)
DMX 41–42

23 
Filter 118 (Light Blue)
DMX 43–44

24 
Filter 122 (Fern Green)
DMX 45–46

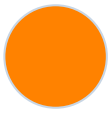
25 
Filter 182 (Light Red)
DMX 47–48

26
Filter 121 (Filter Green)
DMX 49–50

27 
Filter 128 (Bright Pink)
DMX 51–52

28
Filter 131 (Marine Blue)
DMX 53–54

29 
Filter 132 (Medium Blue)
DMX 55–56

30 
Filter 134 (Golden Amber)
DMX 57–58

31 
Filter 135 (Deep Golden Amber)
DMX 59–60

32
Filter 136 (Pale Lavender)
DMX 61–62

33 
Filter 137 (Special Lavender)
DMX 63–64

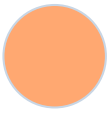
34
Filter 138 (Pale Green)
DMX 65–66

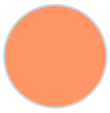
35 
Filter 798 (Chrysalis Pink)
DMX 67–68

36 
Filter 141 (Bright Blue)
DMX 69–70

37 
Filter 147 (Apricot)
DMX 71–72

38 
Filter 148 (Bright Rose)
DMX 73–74

39 
Filter 152 (Pale Gold)
DMX 75–76

40 
Filter 154 (Pale Rose)
DMX 77–78

41
Filter 157 (Pink)
DMX 79–80

42
Filter 143 (Pale Navy Blue)
DMX 81–82

43
Filter 162 (Bastard Amber)
DMX 83–84

44
Filter 164 (Flame Red)
DMX 85–86

45
Filter 165 (Daylight Blue)
DMX 87–88

46
Filter 169 (Lilac Tint)
DMX 89–90

47
Filter 170 (Deep Lavender)
DMX 91–92

48
Filter 172 (Lagoon Blue)
DMX 93–94

49 Filter 194 (Surprise Pink)
DMX 95–96

50 Filter 180 (Dark Lavender)
DMX 97–98

51 Filter 181 (Congo Blue)
DMX 99–100

52 Filter 197 (Alice Blue)
DMX 101–102

53 Filter 201 (Full CT Blue)
DMX 103–104

54 Filter 202 (Half CT Blue)
DMX 105–106

55 Filter 203 (Quarter CT Blue)
DMX 107–108

56 Filter 204 (Full CT Orange)
DMX 109–110

57 Filter 219 (Fluorescent Green)
DMX 111–112

58 Filter 206 (Quarter CT Orange)
DMX 113–114

59 Filter 247 (Filter Minus Green)
DMX 115–116

60 Filter 248 (Half Minus Green)
DMX 117–118

61 Filter 281 (Three Quarter CT Blue)
DMX 119–120

62 Filter 285 (Three Quarter CT Orange)
DMX 121–122

63 Filter 352 (Glacier Blue)
DMX 123–124

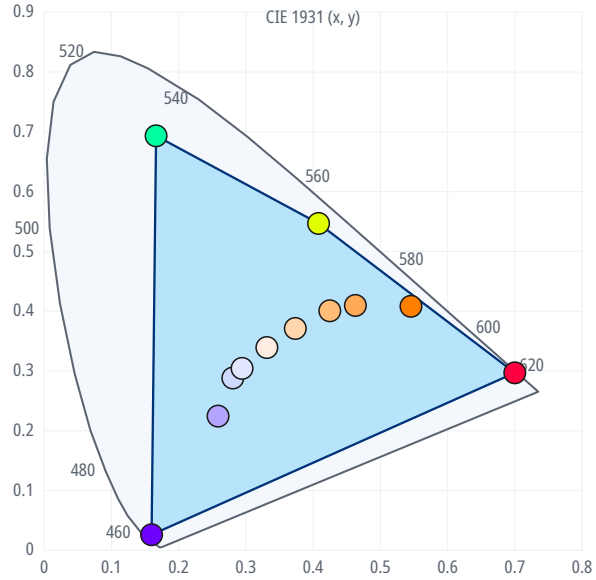
64 Filter 353 (Lighter Blue)
DMX 125–126

65 Filter 507 (Madge)
DMX 127–128

66 Filter 778 (Millennium Gold)
DMX 129–130

67 Filter 793 (Vanity Fair)
DMX 131–132

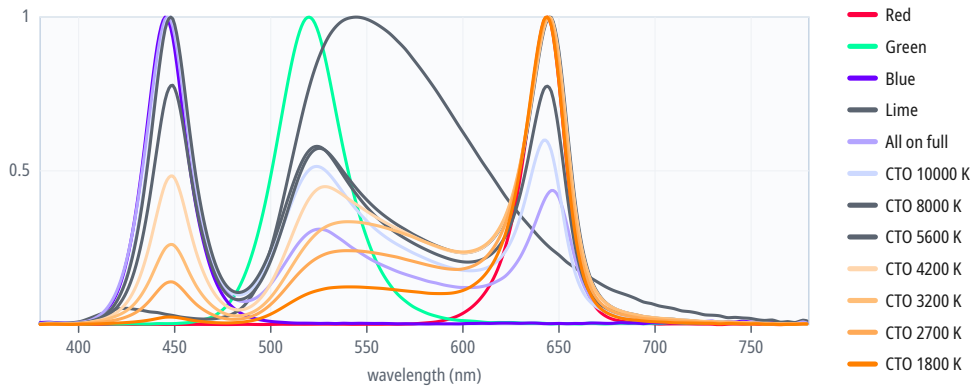
LED colors and the colors they mix



LED	x	y	nm
Red	0.700	0.297	627
Green	0.166	0.693	524
Blue	0.160	0.026	451
Lime	0.408	0.547	566
All on full	0.259	0.225	466
CTO 10000 K	0.281	0.288	
CTO 8000 K	0.294	0.304	
CTO 5600 K	0.331	0.339	
CTO 4200 K	0.373	0.371	
CTO 3200 K	0.425	0.401	
CTO 2700 K	0.463	0.410	
CTO 1800 K	0.545	0.408	

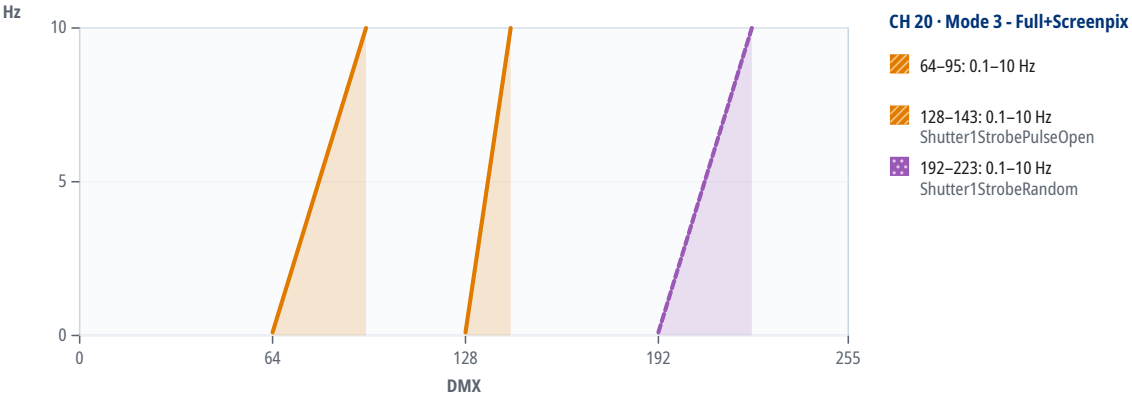
The shaded area holds the colors the LEDs can mix; the dots are the LED colors the GDTF file states.

Spectra of the light sources



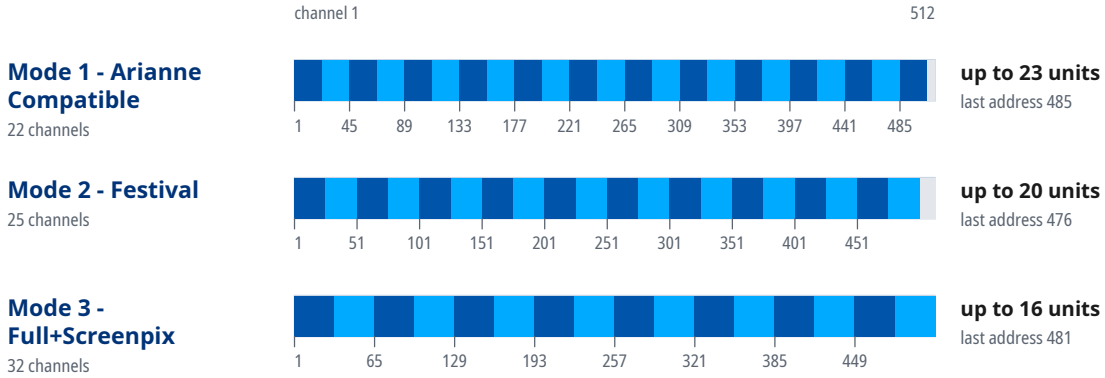
Relative spectrum of each light source as the GDTF file states it; each curve is scaled to its own maximum.

Strobe rate



9 DMX channels

Units in one DMX universe



Start addresses of 20 units in the mode “Mode 3 - Full+Screenpix”

Unit	Start address	Unit	Start address	Unit	Start address	Unit	Start address
1	1	6	161	11	321	16	481
2	33	7	193	12	353	17	U2 · 1
3	65	8	225	13	385	18	U2 · 33
4	97	9	257	14	417	19	U2 · 65
5	129	10	289	15	449	20	U2 · 97

Where a DMX universe is full, the next units continue in the next universe: “U2 · 1” is address 1 in the second universe, counted from the universe of the first unit.

RDM personalities

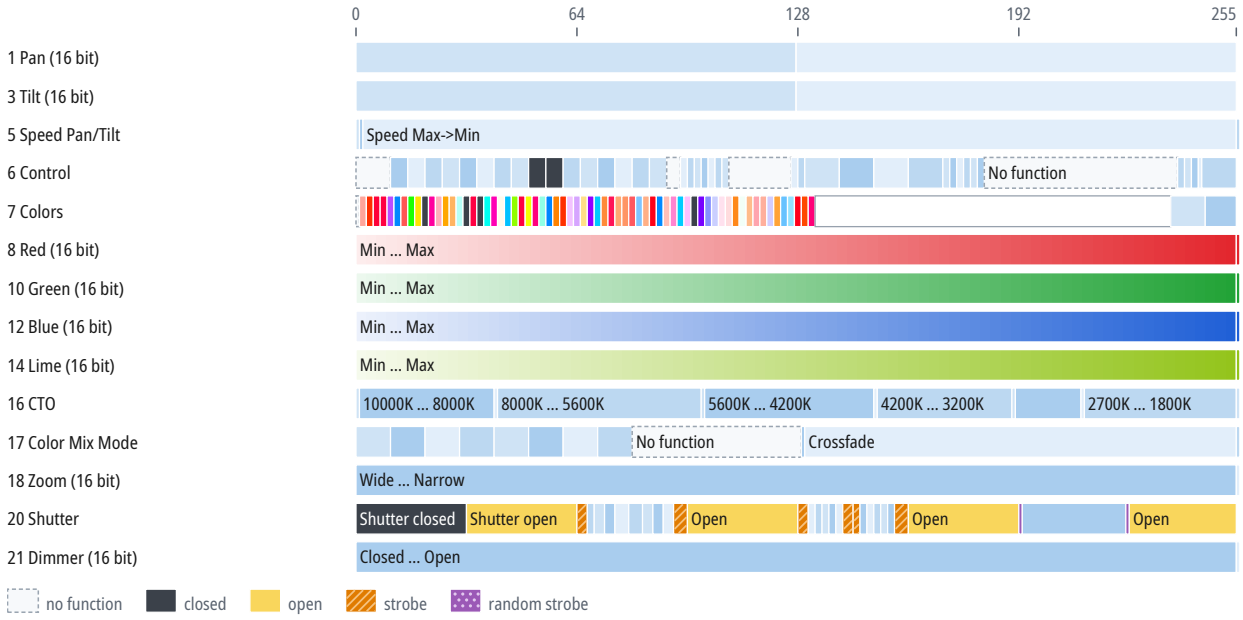
Mode	Channels	RDM personality
Mode 1 - Arianne Compatible	22	1
Mode 2 - Festival	25	2
Mode 3 - Full+Screenpix	32	3

Mode 1 - Arianne Compatible

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

If the device receives DMX in this mode but gives no light, check these channels: CH 20 Shutter at 32–63 “Shutter open” or 96–127, 160–191, 224–255 “Open”; CH 21 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 7 Colors 0, CH 8 Red 255, CH 10 Green 255, CH 12 Blue 255, CH 14 Lime 255, CH 16 CTO 0, CH 20 Shutter 32, CH 21 Dimmer 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Pan	0–127	Pan
		128	Center
		128–255	Pan
2	Pan Fine	0–255	Fine adjustment of CH 1
3	Tilt	0–127	Tilt
		128	Center
		128–255	Tilt
4	Tilt Fine	0–255	Fine adjustment of CH 3
5	Speed Pan/Tilt		Pan/Tilt speed / Time
		0	Standard mode
		1	Max Speed
		2–254	Speed Max->Min
		255	Min Speed
6	Control	0–9	No function
		10–14	Wired DMX
		15–19	Wireless DMX
		20–24	Display ON
		25–29	Display OFF
		30–34	RGBL colour mixing mode

CH	Function	DMX	Description
6	Control (continued)	35–39	CMY colour mixing mode
		40–44	Pan/Tilt speed mode
		45–49	Pan/Tilt time mode
		50–54	Blackout while pan/tilt moving
		55–59	Disabled blackout while pan/tilt moving
		60–64	Dimmer curve - square law
		65–69	Dimmer curve - linear
		70–74	Fans mode Auto
		75–79	Fans mode High
		80–84	White point 8000K ON
		85–89	White point 8000K OFF
		90–93	No function
		94–95	Screenpix ON
		96–97	Screenpix OFF
		98–99	Sync ON
		100–101	Sync OFF
		102–103	High output
		104–105	CRI output
		106–107	CPC - Fans OFF
		108–125	No function
		126–127	Parking position On
		128–129	Parking position Off
		130–139	Fixture reset (except Pan/Tilt)
		140–149	Pan/Tilt reset
		150–159	Zoom reset
		160–169	Total Fixture Reset
		170–171	Tungsten effect simulation (750W) On
		172–173	Tungsten effect simulation (1000W) On
		174–175	Tungsten effect simulation (1200W) On
		176–177	Tungsten effect simulation (2000W) On
		178–179	Tungsten effect simulation (2500W) On
		180–181	Tungsten effect simulation Off
		182–237	No function
		238–239	RoboSpot enabled
		240–241	RoboSpot disabled except handle faders and PT
		242–243	RoboSpot fully disabled
		244	Disabled Quiet mode
		245–255	Quiet mode min to max
7	Colors	0	No function
		1–2	Filter 4 (Medium Bastard Amber)
		3–4	Filter 25 (Sunset Red)
		5–6	Filter 19 (Fire)

CH	Function	DMX	Description
7	Colors (continued)	7–8	Filter 26 (Bright Red)
		9–10	Filter 58 (Lavender)
		11–12	Filter 68 (Sky Blue)
		13–14	Filter 36 (Medium Pink)
		15–16	Filter 89 (Moss Green)
		17–18	Filter 88 (Lime Green)
		19–20	Filter 90 (Dark Yellow Green)
		21–22	Filter 49 (Medium Purple)
		23–24	Filter 52 (Light Lavender)
		25–26	Filter 102 (Light Amber)
		27–28	Filter 103 (Straw)
		29–30	Filter 140 (Summer Blue)
		31–32	Filter 124 (Dark Green)
		33–34	Filter 106 (Primary Red)
		35–36	Filter 111 (Dark Pink)
		37–38	Filter 115 (Peacock Blue)
		39–40	Filter 126 (Mauve)
		41–42	Filter 117 (Steel Blue)
		43–44	Filter 118 (Light Blue)
		45–46	Filter 122 (Fern Green)
		47–48	Filter 182 (Light Red)
		49–50	Filter 121 (Filter Green)
		51–52	Filter 128 (Bright Pink)
		53–54	Filter 131 (Marine Blue)
		55–56	Filter 132 (Medium Blue)
		57–58	Filter 134 (Golden Amber)
		59–60	Filter 135 (Deep Golden Amber)
		61–62	Filter 136 (Pale Lavender)
		63–64	Filter 137 (Special Lavender)
		65–66	Filter 138 (Pale Green)
		67–68	Filter 798 (Chrysalis Pink)
		69–70	Filter 141 (Bright Blue)
		71–72	Filter 147 (Apricot)
		73–74	Filter 148 (Bright Rose)
		75–76	Filter 152 (Pale Gold)
		77–78	Filter 154 (Pale Rose)
		79–80	Filter 157 (Pink)
		81–82	Filter 143 (Pale Navy Blue)
		83–84	Filter 162 (Bastard Amber)
		85–86	Filter 164 (Flame Red)
		87–88	Filter 165 (Daylight Blue)
		89–90	Filter 169 (Lilac Tint)

CH	Function	DMX	Description
7	Colors (continued)	91–92	Filter 170 (Deep Lavender)
		93–94	Filter 172 (Lagoon Blue)
		95–96	Filter 194 (Surprise Pink)
		97–98	Filter 180 (Dark Lavender)
		99–100	Filter 181 (Congo Blue)
		101–102	Filter 197 (Alice Blue)
		103–104	Filter 201 (Full CT Blue)
		105–106	Filter 202 (Half CT Blue)
		107–108	Filter 203 (Quarter CT Blue)
		109–110	Filter 204 (Full CT Orange)
		111–112	Filter 219 (Fluorescent Green)
		113–114	Filter 206 (Quarter CT Orange)
		115–116	Filter 247 (Filter Minus Green)
		117–118	Filter 248 (Half Minus Green)
		119–120	Filter 281 (Three Quarter CT Blue)
		121–122	Filter 285 (Three Quarter CT Orange)
		123–124	Filter 352 (Glacier Blue)
		125–126	Filter 353 (Lighter Blue)
		127–128	Filter 507 (Madge)
		129–130	Filter 778 (Millennium Gold)
		131–132	Filter 793 (Vanity Fair)
		133–235	Raw DMX
		236–245	Ranbow effect (with fade time) from slow to fast
		246–255	Ranbow effect (without fade time) from slow to fast
8	Red	0–255	Min ... Max
		255	Max
9	Red Fine	0–255	Fine adjustment of CH 8
10	Green	0–255	Min ... Max
		255	Max
11	Green Fine	0–255	Fine adjustment of CH 10
12	Blue	0–255	Min ... Max
		255	Max
13	Blue Fine	0–255	Fine adjustment of CH 12
14	Lime	0–255	Min ... Max
		255	Max
15	Lime Fine	0–255	Fine adjustment of CH 14
16	CTO	0	10000K
		1–39	10000K ... 8000K (9950–8050 K)
		40	8000K
		41–99	8000K ... 5600K (7960–5640 K)
		100	5600K
		101–149	5600K ... 4200K (5572–4228 K)

CH	Function	DMX	Description
16	CTO (continued)	150	4200K
		151–189	4200K … 3200K (4175–3225 K)
		190	3200K
		191–209	3200K … 2700K (3175–2725 K)
		210	2700K
		211–254	2700K … 1800K (2680–1820 K)
		255	1800K
17	Color Mix Mode	0–9	Virtual has priority
		10–19	Maximum mode
		20–29	Minimum mode
		30–39	Multiply mode
		40–49	Addition mode
		50–59	Subtraction mode
		60–69	Inverted subtraction mode
		70–79	White point OFF
		80–128	No function
		129	Virtual colors
		130–254	Crossfade
		255	Colour channels
18	Zoom	0–255	Wide … Narrow
		255	Narrow
19	Zoom Fine	0–255	Fine adjustment of CH 18
20	Shutter	0–31	Shutter closed
		32–63	Shutter open
		64–66	Shutter 1 Strobe: Slow to fast 1/10 (0.303–0.357 Hz)
		67–91	Shutter 1 Strobe: Slow to fast 1/10 … Slow to fast 10/10 (0.357–13.2 Hz)
		92–95	Shutter 1 Strobe: Slow to fast 10/10 (13.2–20.2 Hz)
		96–127	Open
		128–130	Shutter 1 Strobe Pulse Open: Slow to fast 1/7 (0.126–0.149 Hz)
		131–140	Shutter 1 Strobe Pulse Open: Slow to fast 1/7 … Slow to fast 7/7 (0.149–0.36 Hz)
		141–143	Shutter 1 Strobe Pulse Open: Slow to fast 7/7 (0.36–0.504 Hz)
		144–145	Shutter 1 Strobe Pulse Close: Fast to slow 1/7 (0.504–0.36 Hz)
		146–155	Shutter 1 Strobe Pulse Close: Fast to slow 1/7 … Fast to slow 7/7 (0.36–0.149 Hz)
		156–159	Shutter 1 Strobe Pulse Close: Fast to slow 7/7 (0.149–0.126 Hz)
		160–191	Open
		192	Strobe random slow
		193–222	Strobe random slow … Strobe random fast
		223	Strobe random fast

CH	Function	DMX	Description
20	Shutter (continued)	224–255	Open
21	Dimmer	0–255	Closed ... Open
		255	Open
22	Dimmer Fine	0–255	Fine adjustment of CH 21

Mode 2 - Festival

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

If the device receives DMX in this mode but gives no light, check these channels: CH 20 Shutter at 32–63 “Shutter open” or 96–127, 160–191, 224–255 “Open”; CH 21 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 7 Colors 0, CH 8 Red 255, CH 10 Green 255, CH 12 Blue 255, CH 14 Lime 255, CH 16 CTO 0, CH 20 Shutter 32, CH 21 Dimmer 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Pan		Same as CH 1 in the mode “Mode 1 - Arianne Compatible” (p. 12)
2	Pan Fine	0–255	Fine adjustment of CH 1
3	Tilt		Same as CH 3 in the mode “Mode 1 - Arianne Compatible” (p. 12)
4	Tilt Fine	0–255	Fine adjustment of CH 3
5	Speed Pan/Tilt		Same as CH 5 in the mode “Mode 1 - Arianne Compatible” (p. 12)
6	Control	0–9	No function
		10–14	Wired DMX
		15–19	Wireless DMX
		20–24	Display ON

CH	Function	DMX	Description
6	Control (continued)	25–29	Display OFF
		30–34	RGBL colour mixing mode
		35–39	CMY colour mixing mode
		40–44	Pan/Tilt speed mode
		45–49	Pan/Tilt time mode
		50–54	Blackout while pan/tilt moving
		55–59	Disabled blackout while pan/tilt moving
		60–64	Dimmer curve - square law
		65–69	Dimmer curve - linear
		70–74	Fans mode Auto
		75–79	Fans mode High
		80–84	White point 8000K ON
		85–89	White point 8000K OFF
		90–93	No function
		94–95	Screenpix ON
		96–97	Screenpix OFF
		98–99	Sync ON
		100–101	Sync OFF
		102–103	High output
		104–105	CRI output
		106–107	CPC - Fans OFF
		108–125	No function
		126–127	Parking position On
		128–129	Parking position Off
		130–139	Fixture reset (except Pan/Tilt)
		140–149	Pan/Tilt reset
		150–159	Zoom reset
		160–169	Total Fixture Reset
		170–171	Tungsten effect simulation (750W) On
		172–173	Tungsten effect simulation (1000W) On
		174–175	Tungsten effect simulation (1200W) On
		176–177	Tungsten effect simulation (2000W) On
		178–179	Tungsten effect simulation (2500W) On
		180–181	Tungsten effect simulation Off
		182	Green/Blue Correction calibration
		183	Green/Blue Correction 1800K/High intensity
		184	Green/Blue Correction 2700K/High intensity
		185	Green/Blue Correction 3200K/High intensity
		186	Green/Blue Correction 4200K/High intensity
		187	Green/Blue Correction 5600K/High intensity
		188	Green/Blue Correction 8000K/High intensity
		189	Green/Blue Correction 10000K/High intensity

CH	Function	DMX	Description
6	Control (continued)	190	Green/Blue Correction 1800K/High CRI
		191	Green/Blue Correction 2700K/High CRI
		192	Green/Blue Correction 3200K/High CRI
		193	Green/Blue Correction 4200K/High CRI
		194	Green/Blue Correction 5600K/High CRI
		195	Green/Blue Correction 8000K/High CRI
		196	Green/Blue Correction 10000K/High CRI
		197	Save correction
		198–237	No function
		238–239	RoboSpot enabled
		240–241	RoboSpot disabled except handle faders and PT
		242–243	RoboSpot fully disabled
		244	Disabled Quiet mode
		245–255	Quiet mode min to max
7	Colors		Same as CH 7 in the mode “Mode 1 - Arianne Compatible” (p. 13)
8	Red		Same as CH 8 in the mode “Mode 1 - Arianne Compatible” (p. 15)
9	Red Fine	0–255	Fine adjustment of CH 8
10	Green		Same as CH 10 in the mode “Mode 1 - Arianne Compatible” (p. 15)
11	Green Fine	0–255	Fine adjustment of CH 10
12	Blue		Same as CH 12 in the mode “Mode 1 - Arianne Compatible” (p. 15)
13	Blue Fine	0–255	Fine adjustment of CH 12
14	Lime		Same as CH 14 in the mode “Mode 1 - Arianne Compatible” (p. 15)
15	Lime Fine	0–255	Fine adjustment of CH 14
16	CTO		Same as CH 16 in the mode “Mode 1 - Arianne Compatible” (p. 15)
17	Color Mix Mode		Same as CH 17 in the mode “Mode 1 - Arianne Compatible” (p. 16)
18	Zoom		Same as CH 18 in the mode “Mode 1 - Arianne Compatible” (p. 16)
19	Zoom Fine	0–255	Fine adjustment of CH 18
20	Shutter		Same as CH 20 in the mode “Mode 1 - Arianne Compatible” (p. 16)
21	Dimmer		Same as CH 21 in the mode “Mode 1 - Arianne Compatible” (p. 17)
22	Dimmer Fine	0–255	Fine adjustment of CH 21
23	Tint	0	Uncorrected white
		1–127	Minus green - > Uncorrected white
		128	Uncorrected white
		129–255	Uncorrected white - > Plus green

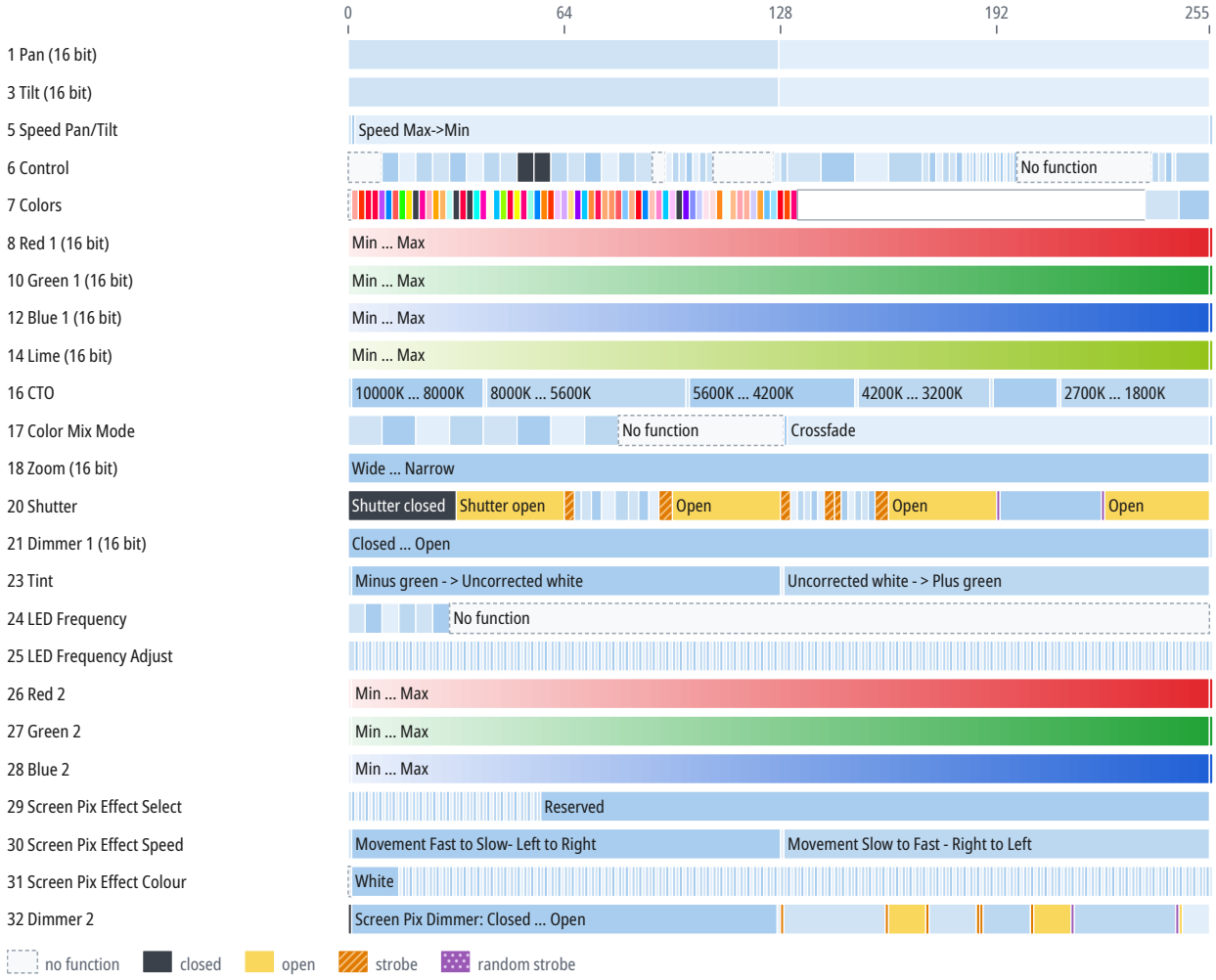
CH	Function	DMX	Description
24	LED Frequency	0–4	PWM frequency from Display menu
		5–9	300 Hz
		10–14	600 Hz
		15–19	1200 Hz
		20–24	2400 Hz
		25–29	LEDFrequency: High
		30–255	No function
25	LED Frequency Adjust	0–1	Selected LED frequency
		2–127	LED Frequency (step -126...-1)
		128	Selected LED frequency
		129–254	LED Frequency (step 1...126)
		255	Selected LED Frequency

Mode 3 - Full+Screenpix

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

If the device receives DMX in this mode but gives no light, check these channels: CH 20 Shutter at 32–63 “Shutter open” or 96–127, 160–191, 224–255 “Open”; CH 21 Dimmer 1 above 0. The GDTF file gives these values for a console's Highlight function: CH 7 Colors 0, CH 8 Red 1 255, CH 10 Green 1 255, CH 12 Blue 1 255, CH 14 Lime 255, CH 16 CTO 0, CH 20 Shutter 32, CH 21 Dimmer 1 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Pan		Same as CH 1 in the mode “Mode 1 - Arianne Compatible” (p. 12)
2	Pan Fine	0–255	Fine adjustment of CH 1
3	Tilt		Same as CH 3 in the mode “Mode 1 - Arianne Compatible” (p. 12)
4	Tilt Fine	0–255	Fine adjustment of CH 3
5	Speed Pan/Tilt		Same as CH 5 in the mode “Mode 1 - Arianne Compatible” (p. 12)
6	Control		Same as CH 6 in the mode “Mode 2 - Festival” (p. 17)
7	Colors		Same as CH 7 in the mode “Mode 1 - Arianne Compatible” (p. 13)

CH	Function	DMX	Description
8	Red 1	0–255	Min ... Max
		255	Max
9	Red 1 Fine	0–255	Fine adjustment of CH 8
10	Green 1	0–255	Min ... Max
		255	Max
11	Green 1 Fine	0–255	Fine adjustment of CH 10
12	Blue 1	0–255	Min ... Max
		255	Max
13	Blue 1 Fine	0–255	Fine adjustment of CH 12
14	Lime		Same as CH 14 in the mode “Mode 1 - Arianne Compatible” (p. 15)
15	Lime Fine	0–255	Fine adjustment of CH 14
16	CTO		Same as CH 16 in the mode “Mode 1 - Arianne Compatible” (p. 15)
17	Color Mix Mode		Same as CH 17 in the mode “Mode 1 - Arianne Compatible” (p. 16)
18	Zoom		Same as CH 18 in the mode “Mode 1 - Arianne Compatible” (p. 16)
19	Zoom Fine	0–255	Fine adjustment of CH 18
20	Shutter		Same as CH 20 in the mode “Mode 1 - Arianne Compatible” (p. 16)
21	Dimmer 1	0–255	Closed ... Open
		255	Open
22	Dimmer 1 Fine	0–255	Fine adjustment of CH 21
23	Tint		Same as CH 23 in the mode “Mode 2 - Festival” (p. 19)
24	LED Frequency		Same as CH 24 in the mode “Mode 2 - Festival” (p. 20)
25	LED Frequency Adjust		Same as CH 25 in the mode “Mode 2 - Festival” (p. 20)
26	Red 2	0	Min
		1–254	Min ... Max
		255	Max
27	Green 2	0	Min
		1–254	Min ... Max
		255	Max
28	Blue 2	0	Min
		1–254	Min ... Max
		255	Max
29	Screen Pix Effect Select	0	No effect
		1	Effect 1
		2	Effect 2
		3	Effect 3
		4	Effect 4
		5	Effect 5
		6	Reserved

CH	Function	DMX	Description
29	Screen Pix Effect Select (continued)	7	Effect 7
		8	Effect 8
		9	Reserved
		10	Effect 10
		11	Reserved
		12	Effect 12
		13	Reserved
		14	Effect 14
		15	Effect 15
		16	Effect 16
		17	Effect 17
		18	Reserved
		19	Effect 19
		20	Effect 20
		21	Effect 21
		22	Effect 22
		23	Effect 23
		24	Colour effect 24
		25	Colour effect 25
		26	Colour effect 26
		27	Colour effect 27
		28	Reserved
		29	Colour effect 29
		30	Colour effect 30
		31	Colour effect 31
		32	Reserved
		33	Colour effect 33
		34	Colour effect 34
		35	Colour effect 35
		36	Colour effect 36
		37–38	Reserved
		39–56	Colour effect 39...56
		57–255	Reserved
30	Screen Pix Effect Speed	0	No movement
		1–127	Movement Fast to Slow- Left to Right
		128	Empty Channel Set
		129–255	Movement Slow to Fast - Right to Left
31	Screen Pix Effect Colour	0	No function
		1–14	White
		15	Blue
		16	Blue + Green >>
		17–54	Blue + Green >> 1...38

CH	Function	DMX	Description
31	Screen Pix Effect Colour (continued)	55	Light Blue
		56	Green + Blue <<
		57–94	Green + Blue << 1...38
		95	Green
		96	Green + Red >>
		97–134	Green + Red >> 1...38
		135	Yellow
		136	Red + Green <<
		137–174	Red + Green << 1...38
		175	Red
		176	Red + Blue >>
		177–214	Red + Blue >> 1...38
		215	Magenta
		216	Blue + Red <<
		217–254	Blue + Red << 1...38
		255	Blue 1
32	Dimmer 2	0	Screen Pix Dimmer: Closed
		1–126	Screen Pix Dimmer: Closed ... Open
		127	Screen Pix Dimmer: Open
		128	Shutter 1 Strobe: Slow
		129–158	Shutter 1 Strobe: Slow ... Fast
		159	Shutter 1 Strobe: Fast
		160–170	Open
		171	Shutter 1 Strobe Pulse Open: Slow
		172–185	Shutter 1 Strobe Pulse Open: Slow ... Fast
		186	Shutter 1 Strobe Pulse Open: Fast
		187	Shutter 1 Strobe Pulse Close: Fast
		188–201	Shutter 1 Strobe Pulse Close: Fast ... Slow
		202	Shutter 1 Strobe Pulse Close: Slow
		203–213	Open
		214	Strobe random slow
		215–244	Strobe random slow ... Strobe random Fast
		245	Strobe random Fast
		246	Open
		247–255	Open 2

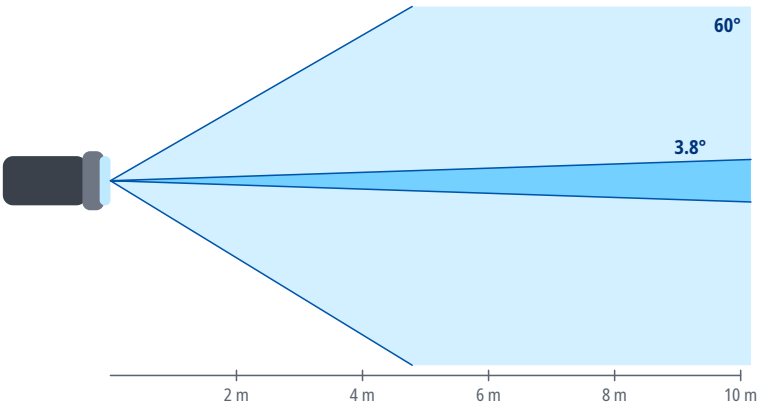
10 Technical specifications

Parameter	Value
Light	
Light source	LED
Optics	
Zoom	3.8–60°
Movement	
Pan	451.8°
Tilt	222.2°
Control	
DMX connection	5-pin XLR IN/OUT
RJ45 connectors	RJ45 IN/OUT
RDM	yes (manufacturer ID 0x5253, device model ID 0x0169)
Electrical	
Power supply	100–240 V, 50/60 Hz
Power consumption	330 W
Power connectors	powerCON TRUE1 IN/OUT
Dimensions and construction	
Weight	5.9 kg
Operating environment	
Operating temperature	-5 to 45 °C

Speeds and ranges

Parameter	Value
Color temperature range	1800–10000 K
Strobe frequency	0.1–10 Hz

Spot diameter



Distance	Ø 3.8°	Ø 60°
2 m	0.13 m	2.3 m
4 m	0.27 m	4.6 m
6 m	0.4 m	6.9 m
8 m	0.53 m	9.2 m
10 m	0.66 m	11.5 m
15 m	1 m	17.3 m

Spot diameter square to the beam axis, calculated from the beam angle.

11 Maintenance and cleaning

- Before cleaning and maintenance, switch the device off, disconnect it from the power supply and let it cool down.
- Clean the housing with a soft, dry or slightly damp cloth. Do not use solvents, abrasive cleaners or pressure washers, and make sure no liquid gets into the device.
- Clean optical parts (lenses, front glass), if the device has any, with a soft lint-free cloth and a cleaner intended for optics or glass.
- Regularly inspect the housing, cables, connectors and fixings. Have damaged parts replaced by a service center.
- How often to clean depends on the environment; dust, smoke and fog make the device dirty much faster.

12 Troubleshooting

Problem	Remedy
The device does not switch on	Check the supply voltage, the cables and the fuse, if the device has one.
The device does not respond to DMX	Check the start address, the selected DMX mode and whether it matches the profile in the controller, the cable connection to DMX IN, and the controller output (universe).
The device behaves erratically or flickers	Check the terminator at the end of the line, the condition and wiring of the cables (shield on pin 1 only), the number of devices on the line (32 at most), and that the line is not split without a splitter.
Only some devices on the line respond	Check the cable and connectors between the last working and the first non-working device, and make sure all devices on the line are switched on.
Devices respond to the wrong channels or affect each other	Check that the addresses do not overlap and that the DMX mode on the devices matches the patch in the controller.
The device or the connected load does not light up although it receives DMX	Check the values of the dimmer, shutter and strobe channels against the DMX channel table. For the DMX modes for which the sources state it, the chapter DMX channels gives under the mode's heading which channels must be open.
Movement is reversed	Check whether Pan/Tilt inversion is enabled in the device menu or in the controller.
Moving parts do not reach the correct position after power-on or transport	Switch the device off and on again to reset the position, and make sure the transport lock, if any, is released. If this does not help, contact a service center.
Movement is jerky	Check the value of the Pan/Tilt speed channel, if the device has one, and the stability of the DMX signal.

13 Disposal

The crossed-out wheeled bin symbol on the product, in the manual or on the packaging means that the product must not be disposed of with unsorted household waste at the end of its life.

Take the end-of-life equipment to a collection point, for example a municipal collection site or a retailer. Proper disposal enables materials to be recycled and helps prevent possible negative effects on the environment and human health.

Follow the regulations applicable in your country; in the Czech Republic, take-back is governed by Act No. 542/2020 Coll., on End-of-Life Products.

Recycle the packaging materials according to their type.