DMX REFERENCE

Robin Painte Fresnel

Robe Lighting



Manufacturer	Robe Lighting
GDTF file	Robe_Lighting_Robin_Painte_Fresnel_116618.gdtf
GDTF revision	2025-11-07 Personality RDM number revision
Generated	2026-11-24

Contents

1 About this manual 2
2 Quick reference 3
3 Safety instructions 4
4 Product description 6
5 Installation 6
6 Connections 7
7 Operation 7
8 Functions at a glance 8
9 DMX channels 11
Mode 1 - Standard 16 bit 12
10 Technical specifications 20
11 Maintenance and cleaning 21
12 Troubleshooting 21
13 Disposal 22

1 About this manual

This document describes the Robin Painte® Fresnel by Robe Lighting. It was compiled from the GDTF file Robe_Lighting_Robin_Painte_Fresnel_116618.gdtf from the GDTF-Share library.

File revision: “2025-11-07 Personality RDM number revision”.

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	440 W
Weight	18.1 kg

DMX modes

Mode	Channels	Units in one universe	First start addresses
Mode 1 - Standard 16 bit	33	15	1, 34, 67, 100, ...

No light? Check these channels

- Mode 1 - Standard 16 bit: CH 31 Shutter at 32–63, 96–127, 160–191 or 224–255 “Open”; CH 32 Dimmer 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

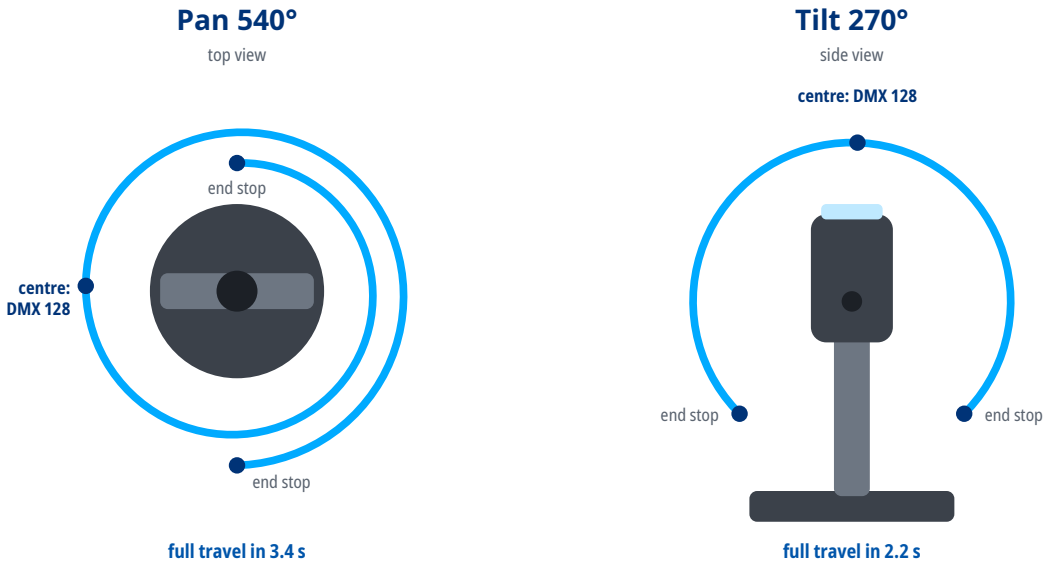
- The moving parts of the device (for example the head or arms) can move quickly and unexpectedly at any time – after power-on, during a reset, or on a command from the controller.
- Keep yourself and any objects out of the range of movement. While the device is switched on, do not touch the moving parts, 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

“Perfection is not limited by size. Our PAINTE® Fresnel delivers the perfect compact, quiet, quality wash solution for short to medium-throw applications in theatrical, television, installation, live or corporate settings to create your masterpiece! Artists require a vast colour palette. PAINTE® Fresnel colours are boundless with the advanced CMY colour mixing system, a colour wheel featuring nine dichroic colours, variable CTO and ChromaTint™ green/magenta content control. Designed for noise-sensitive environments with an appropriate suite of fan controls, PAINTE® Fresnel features a choice of TE™ 310W HP (High Performance) White LED for maximised output of 10.850 lm or TE™ 310W HCF (High Colour Fidelity) engines for the best possible colour rendition with an inherent CRI of 96. TRANSFERABLE ENGINE technology gives you interchangeable task-specific solutions, combined with the ability to maintain light quality and consistency across your inventory. With all the softness of a classic Fresnel beam, the motorised 8.3:1 ratio zoom produces a range of 6°- 50° from its 150mm Fresnel lens, making it the perfect compact wash luminaire.”

Range of movement



Full-travel times as stated in the GDTF file.

5 Installation

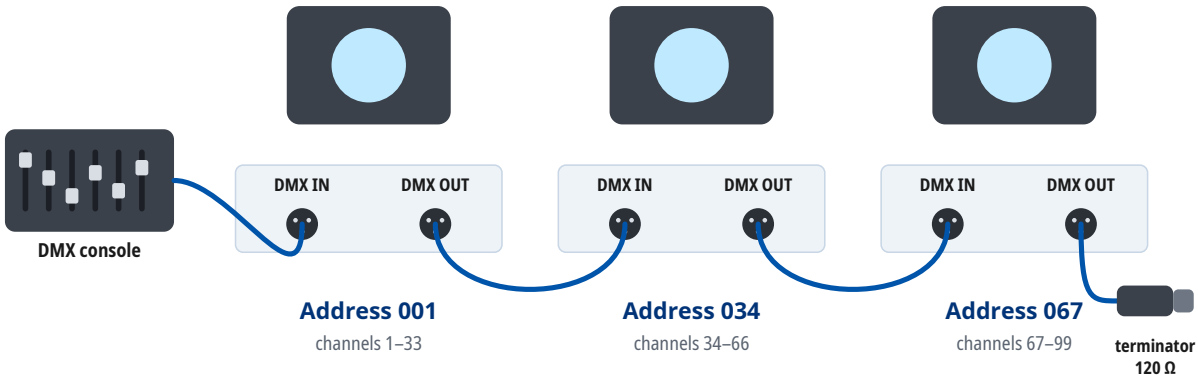
⚠ WARNING

- 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: 18.1 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 1 - Standard 16 bit: every unit occupies 33 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

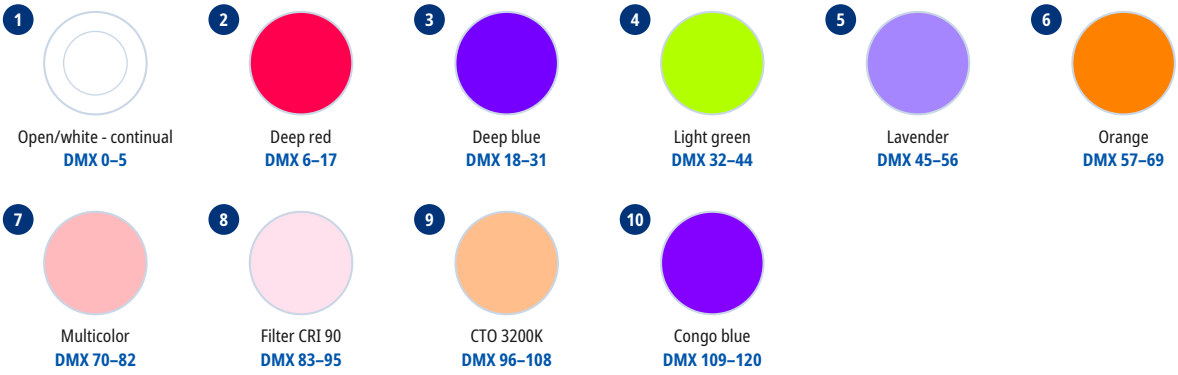
- The device occupies as many consecutive channels in the DMX universe as the selected DMX mode uses, starting at the set start address.
- Number of channels occupied in the DMX mode “Mode 1 - Standard 16 bit”: 33.
- Choose start addresses so that the channels of individual devices do not overlap and 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 1 - Standard 16 bit”, you can use, for example, the start addresses 1, 34, 67, 100.
- 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 - Standard 16 bit 33 channels
Pan / Tilt	1, 3
Dimmer	32
Shutter / strobe	31
Color mixing	12–14
Color temperature	15
Color wheel	10, 17
Frost	22
Zoom	23

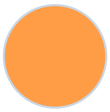
Color wheel 1

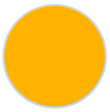


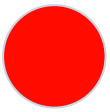
Color wheel 2

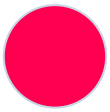
1

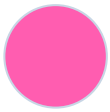
No function
DMX 0

2

Filter 4 (Medium Bastard Amber)
DMX 1–2

3

Filter 10 (Medium Yellow)
DMX 3–4

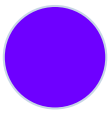
4

Filter 19 (Fire)
DMX 5–6

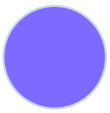
5

Filter 26 (Bright Red)
DMX 7–8

6

Filter 58 (Lavender)
DMX 9–10

7

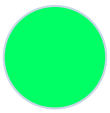
Filter 68 (Sky Blue)
DMX 11–12

8

Filter 71 (Tokyo Blue)
DMX 13–14

9

Filter 79 (Just Blue)
DMX 15–16

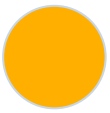
10

Filter 88 (Lime Green)
DMX 17–18

11

Filter 90 (Dark Yellow Green)
DMX 19–20

12

Filter 100 (Spring Yellow)
DMX 21–22

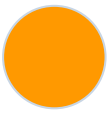
13

Filter 101 (Yellow)
DMX 23–24

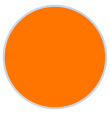
14

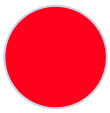
Filter 102 (Light Amber)
DMX 25–26

15

Filter 103 (Straw)
DMX 27–28

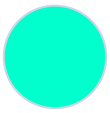
16

Filter 104 (Deep Amber)
DMX 29–30

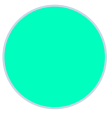
17

Filter 105 (Orange)
DMX 31–32

18

Filter 106 (Primary Red)
DMX 33–34

19

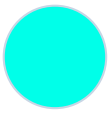
Filter 111 (Dark Pink)
DMX 35–36

20

Filter 115 (Peacock Blue)
DMX 37–38

21

Filter 116 (Medium Blue - Green)
DMX 39–40

22

Filter 117 (Steel Blue)
DMX 41–42

23

Filter 118 (Light Blue)
DMX 43–44

24

Filter 119 (Dark Blue)
DMX 45–46

25

Filter 120 (Deep Blue)
DMX 47–48

26

Filter 121 (Filter Green)
DMX 49–50

27

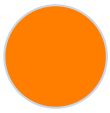
Filter 128 (Bright Pink)
DMX 51–52

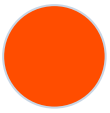
28

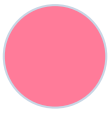
Filter 131 (Marine Blue)
DMX 53–54

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

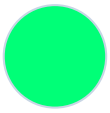
32

Filter 136 (Pale Lavender)
DMX 61–62

33

Filter 137 (Special Lavender)
DMX 63–64

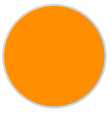
34

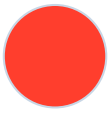
Filter 138 (Pale Green)
DMX 65–66

35

Filter 139 (Primary Green)
DMX 67–68

36

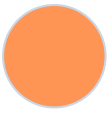
Filter 141 (Bright Blue)
DMX 69–70

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 158 (Deep Orange)
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 179 (Chrome Orange)
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 205 (Half CT Orange)
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

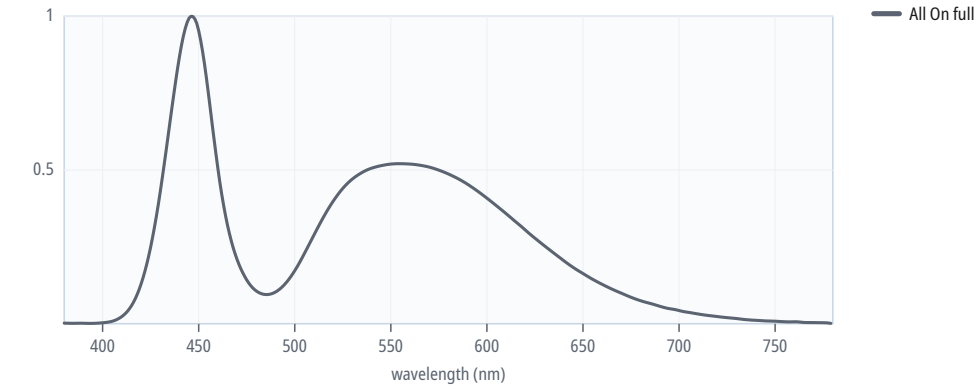
64 Filter 353 (Lighter Blue)
DMX 125–126

65 Filter 715 (Cabana Blue)
DMX 127–128

66 Filter 778 (Millennium Gold)
DMX 129–130

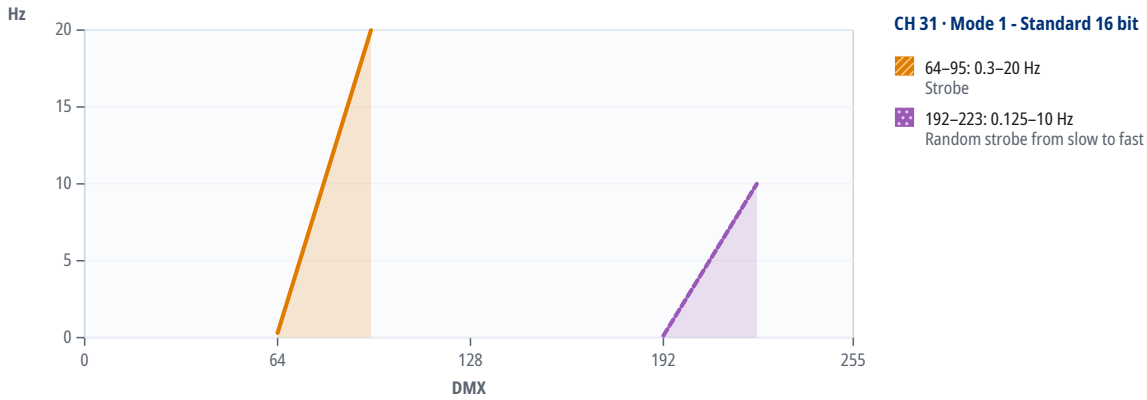
67 Filter 793 (Vanity Fair)
DMX 131–133

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.

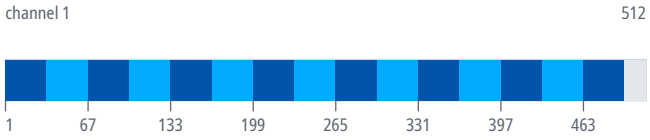
Strobe rate



9 DMX channels

Units in one DMX universe

Mode 1 - Standard 16 bit
33 channels



up to 15 units
last address 463

Start addresses of 20 units in the mode “Mode 1 - Standard 16 bit”

Unit	Start address	Unit	Start address	Unit	Start address	Unit	Start address
1	1	6	166	11	331	16	U2 · 1
2	34	7	199	12	364	17	U2 · 34
3	67	8	232	13	397	18	U2 · 67
4	100	9	265	14	430	19	U2 · 100
5	133	10	298	15	463	20	U2 · 133

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 - Standard 16 bit	33	1

Mode 1 - Standard 16 bit

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 31 Shutter at 32–63, 96–127, 160–191 or 224–255 “Open”; CH 32 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 10 Colors 0, CH 12 Cyan 0, CH 13 Magenta 0, CH 14 Yellow 0, CH 17 Colors 2 0, CH 31 Shutter 32, CH 32 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

CH	Function	DMX	Description
3	Tilt (continued)	128–255	Tilt
4	Tilt Fine	0–255	Fine adjustment of CH 3
5	Speed Pan/Tilt	0	Standard mode
		1	Max
		2–254	Max ... min
		255	Min
6	Control	0–9	No function
		10–14	Wired DMX
		15–19	Wireless DMX
		20–24	Display On
		25–29	Display Off
		30–31	Fans ON at blackout
		32–33	Fans OFF at blackout
		34–35	Dimmer curve: Super square law
		36–39	No function
		40–44	PT mode: Speed
		45–49	PT mode: Time
		50–54	BO while PAN TILT moving: ON
		55–59	BO while PAN TILT moving: OFF
		60–69	Reserved
		70–74	BO while color wheels moving: ON
		75–79	BO while color wheels moving: OFF
		80–84	Fans mode: Auto
		85–89	Fans mode: High
		90–109	No function
		110–114	Dimmer curve: Square law
		115–119	Dimmer curve: Linear
		120–124	Parking position ON
		125–129	Parking position OFF
		130–139	Fixture reset (except pan/tilt)
		140–149	Position Reset
		150–159	Color system reset
		160–169	No function
		170–174	Pan reset
		175–179	Tilt reset
		180–189	Zoom/focus/frost reset
		190–199	Barndoors/scrim reset
		200–209	Total fixture reset
		210–239	No function
		240	Disabled Quiet mode
		241–255	Quiet mode min to max
7	LED Frequency	0–4	PWM frequency from Display menu

CH	Function	DMX	Description
7	LED Frequency (continued)	5–9	300 Hz
		10–14	600 Hz
		15–19	1200 Hz
		20–24	2400 Hz
		25–29	LEDFrequency: High
		30–255	No function
8	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
9	Intensity Indication	0–10	No function
		11–20	Indication of drop of max light intensity
		21–30	Set drop by 6-10% (RED)
		31–40	Set drop by 11-15% (GREEN)
		41–50	Set drop by 16-20% (BLUE)
		51–60	Set drop by 21-25% (CYAN)
		61–70	Set drop by 26-30% (MAGENTA)
		71–80	Set drop by 31-35% (YELLOW)
		81–90	Set drop by 36-40% (ORANGE)
		91–100	Original intensity (WHITE)
		101–255	No function
10	Colors	0–5	Open/white - continual
		6–18	Deep red
		18–31	Deep blue
		32–44	Light green
		45–57	Lavender
		57–70	Orange
		70–83	Multicolor
		83–96	Filter CRI 90
		96–108	CTO 3200K
		109–121	Congo blue
		121–127	Color: Open
		128–129	Open - step
		130–136	Deep red - step
		137–142	Deep blue - step
		143–149	Light green - step
		150–155	Lavender - step
		156–162	Orange - step
		163–168	Multicolor - step
		169–175	Filter CRI 90 - step
		176–182	CTO 3200K - step

CH	Function	DMX	Description
10	Colors (continued)	183–189	Congo blue - step
		190–191	Color 1 Wheel Spin: Fast to slow - fast (78.9–71.7 °/s)
		192–211	Color 1 Wheel Spin: Fast to slow - fast ... Fast to slow - slow (71.7–1.13 °/s)
		212–215	Color 1 Wheel Spin: Fast to slow - slow (1.13–1 °/s)
		216–217	No Rotation middle
		218–220	Color 1 Wheel Spin: Slow to fast - slow (1–1.13 °/s)
		221–240	Color 1 Wheel Spin: Slow to fast - slow ... Slow to fast - fast (1.13–71.7 °/s)
		241–243	Color 1 Wheel Spin: Slow to fast - fast (71.7–78.9 °/s)
		244–249	Random color selection by audio control
		250–255	Auto random color selection from fast to slow
11	Colors Fine	0–255	Fine adjustment of CH 10
12	Cyan	0	Min
		1–254	Min ... Max
		255	Max
13	Magenta	0	Min
		1–254	Min ... Max
		255	Max
14	Yellow	0	Min
		1–254	Min ... Max
		255	Max
15	CTO	0	6700
		1–46	6700 ... 6000
		47	6000
		48–71	6000 ... 5600
		72	5600
		73–112	5600 ... 5000
		113	5000
		114–134	5000 ... 4800
		135	4800
		136–158	4800 ... 4500
		159	4500
		160–182	4500 ... 4000
		183	4000
		184–205	4000 ... 3600
		206	3600
		207–227	3600 ... 3200
		228	3200
		229–235	3200 ... 3000
		236	3000
		237–248	3000 ... 2800
		249	2800

CH	Function	DMX	Description
15	CTO (continued)	250–254	2800 ... 2700
		255	2700
16	Tint	0	Uncorrected white
		1–127	Minus green - > Uncorrected white
		128	Uncorrected white
		129–255	Uncorrected white - > Plus green
17	Colors 2	0	No function
		1–2	Filter 4 (Medium Bastard Amber)
		3–4	Filter 10 (Medium Yellow)
		5–6	Filter 19 (Fire)
		7–8	Filter 26 (Bright Red)
		9–10	Filter 58 (Lavender)
		11–12	Filter 68 (Sky Blue)
		13–14	Filter 71 (Tokyo Blue)
		15–16	Filter 79 (Just Blue)
		17–18	Filter 88 (Lime Green)
		19–20	Filter 90 (Dark Yellow Green)
		21–22	Filter 100 (Spring Yellow)
		23–24	Filter 101 (Yellow)
		25–26	Filter 102 (Light Amber)
		27–28	Filter 103 (Straw)
		29–30	Filter 104 (Deep Amber)
		31–32	Filter 105 (Orange)
		33–34	Filter 106 (Primary Red)
		35–36	Filter 111 (Dark Pink)
		37–38	Filter 115 (Peacock Blue)
		39–40	Filter 116 (Medium Blue - Green)
		41–42	Filter 117 (Steel Blue)
		43–44	Filter 118 (Light Blue)
		45–46	Filter 119 (Dark Blue)
		47–48	Filter 120 (Deep Blue)
		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 139 (Primary Green)
		69–70	Filter 141 (Bright Blue)

CH	Function	DMX	Description
17	Colors 2 (continued)	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 158 (Deep Orange)
		83–84	Filter 162 (Bastard Amber)
		85–86	Filter 164 (Flame Red)
		87–88	Filter 165 (Daylight Blue)
		89–90	Filter 169 (Lilac Tint)
		91–92	Filter 170 (Deep Lavender)
		93–94	Filter 172 (Lagoon Blue)
		95–96	Filter 179 (Chrome Orange)
		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 205 (Half CT Orange)
		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 715 (Cabana Blue)
		129–130	Filter 778 (Millennium Gold)
		131–132	Filter 793 (Vanity Fair)
		133–255	No function
18	Color Mix Speed		CMY and Color wheel time
		0	Function is OFF
		1	Max
		2–254	Max … min
		255	Min
19	Zoom Speed		Barndoors/Zoom/Frost time
		0	Function is OFF
		1	Max
		2–254	Max … min
		255	Min

CH	Function	DMX	Description
20	Scrim Position	0	No function
		1–255	Scrim inserting
21	Scrim Index	0	Scrim indexing 0 deg
		1–63	Scrim indexing 0 deg ... Scrim indexing 90 deg
		64	Scrim indexing 90 deg
		65–127	Scrim indexing 90 deg ... Scrim indexing 180 deg
		128	Scrim indexing 180 deg
		129–191	Scrim indexing 180 deg ... Scrim indexing 270 deg
		192	Scrim indexing 270 deg
		193–254	Scrim indexing 270 deg ... Scrim indexing 360 deg
		255	Scrim indexing 360 deg
22	Frost	0	Light Frost: Open
		1–50	Light Frost from 0% to 100%
		51–53	100% Light Frost
		54–63	Light Frost: Pulse closing from slow to fast
		64–73	Light Frost: Pulse opening from fast to slow
		74–83	Light Frost: Ramping from fast to slow
		84–86	Medium Frost: Open
		87–136	Medium Frost from 0% to 100%
		137–139	100% Medium Frost
		140–149	Medium Frost: Pulse closing from slow to fast
		150–159	Medium Frost: Pulse opening from fast to slow
		160–169	Medium Frost: Ramping from fast to slow
		170–172	Combined Frost: Open
		173–222	Combined Frost from 0% to 100%
		223–225	100% Combined Frost
		226–235	Combined Frost: Pulse closing from slow to fast
		236–245	Combined Frost: Pulse opening from fast to slow
		246–255	Combined Frost: Ramping from fast to slow
23	Zoom	0–255	Max ... min
		255	Min
24	Zoom Fine	0–255	Fine adjustment of CH 23
25	Edge Color Correction	0	Min
		1–254	Min ... max
		255	Max
26	Shaper Rotation	0	Min
		1–127	Min ... center
		128	Center
		129–254	Center ... max
		255	Max
27	Blade 4 A	0	Min
		1–254	Min ... max

CH	Function	DMX	Description
27	Blade 4 A (continued)	255	Max
28	Blade 3 A	0	Min
		1–254	Min … max
		255	Max
29	Blade 2 A	0	Min
		1–254	Min … max
		255	Max
30	Blade 1 A	0	Min
		1–254	Min … max
		255	Max
31	Shutter	0–31	Open/Closed: Closed
		32–63	Open/Closed: Open
		64–67	Strobe: Slow to fast 1/12 (0.303–0.458 Hz)
		68–94	Strobe: Slow to fast 1/12 … Slow to fast 12/12 (0.51–17.5 Hz)
		95	Strobe: Slow to fast 12/12
		96–127	Open
		128–130	Strobe Pulse Open: Slow to fast 1/7 (0.119–0.209 Hz)
		131–140	Strobe Pulse Open: Slow to fast 1/7 … Slow to fast 7/7 (0.209–0.536 Hz)
		141–143	Strobe Pulse Open: Slow to fast 7/7 (0.536–0.656 Hz)
		144–145	Strobe Pulse Close: Fast to slow 1/7 (0.656–0.536 Hz)
		146–155	Strobe Pulse Close: Fast to slow 1/7 … Fast to slow 7/7 (0.536–0.209 Hz)
		156–159	Strobe Pulse Close: Fast to slow 7/7 (0.209–0.119 Hz)
		160–191	Open
		192–223	Random strobe from slow to fast (0.125–10 Hz)
		224–255	Open
32	Dimmer	0–255	Closed … Open
		255	Open
33	Dimmer Fine	0–255	Fine adjustment of CH 32

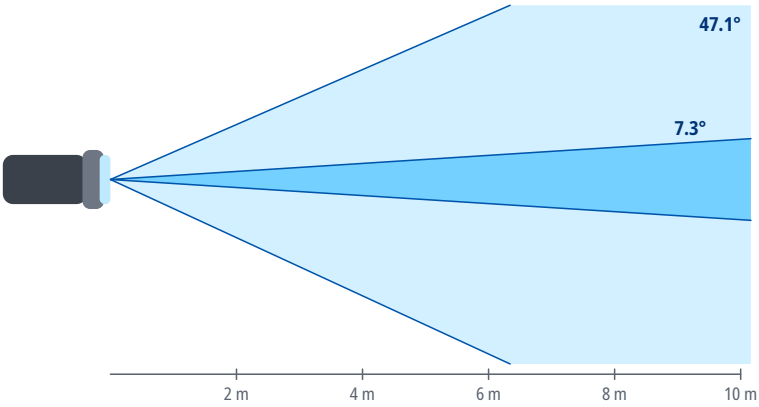
10 Technical specifications

Parameter	Value
Light	
Light source	LED
LED power	310 W
Luminous flux	8,670 lm
Color temperature	6,500 K
Color rendering index (CRI)	70
Optics	
Zoom	7.3–47.1°
Movement	
Pan	540°
Tilt	270°
Control	
DMX connection	5-pin XLR IN/OUT
RJ45 connectors	RJ45 IN/OUT
RDM	yes (manufacturer ID 0x5253, device model ID 0x014A)
Electrical	
Power supply	100–240 V, 50/60 Hz
Power consumption	440 W
Power connectors	powerCON TRUE1 IN/OUT
Dimensions and construction	
Weight	18.1 kg
Operating environment	
Operating temperature	-5 to 45 °C

Speeds and ranges

Parameter	Value
Color temperature range	2700–6700 K
Strobe frequency	0.3–20 Hz
Color wheel 1 rotation	up to 78.9 °/s (13 rpm)

Spot diameter



Distance	Ø 7.3°	Ø 47.1°
2 m	0.26 m	1.7 m
4 m	0.51 m	3.5 m
6 m	0.77 m	5.2 m
8 m	1 m	7 m
10 m	1.3 m	8.7 m
15 m	1.9 m	13.1 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.