DMX REFERENCE

Nova P600c

Aputure

Manufacturer	Aputure
GDTF file	Aputure_Nova_P600C_71824.gdtf
GDTF revision	1.0.1 · 2024-08-22
Generated	2026-11-23

Contents

1 About this manual 2
2 Quick reference 3
3 Safety instructions 4
4 Installation 5
5 Connections 5
6 Operation 6
7 Functions at a glance 6
8 DMX channels 7
Mode 1: CTC/RGB 8-bit (8ch) 8
Mode 2: CTC 8-bit (4ch) 9
Mode 3: CTC/HSB 8-bit (8ch) 9
Mode 4: RGB 8-bit (5ch) 10
Mode 5: HSB 8-bit (5ch) 10
Mode 6: GEL 8-bit (6ch) 10
Mode 7: XY 8-bit (4ch) 11
Mode 8: Source 8-bit (5ch) 11
Mode 9: FX 8-bit (21ch) 13
Mode 10: WW/RGB 8-bit (5ch) 13
Mode 11: Light Engine CTC/RGB 8-bit (28ch) 14
Mode 12: Light Engine HSB 8-bit (16ch) 16
Mode 13: Light Engine XY 8-bit (12ch) 17
Mode 14: Ultimate Mode 8-bit (22ch) 18
Mode 15: CTC/RBG 16-bit (15ch) 19
Mode 16: CTC 16-bit (7ch) 20
Mode 17: CTC/HSB 16-bit (15ch) 20
Mode 18: RGB 16-bit (9ch) 21
Mode 19: HSB 16-bit (9ch) 21
Mode 20: GEL 16-bit (7ch) 22
Mode 21: XY 16-bit (7ch) 22
Mode 22: Source 16-bit (6ch) 23
Mode 23: FX 16-bit (35ch) 23
Mode 24: WWRGB 16-bit (10ch) 23
Mode 25: Light Engine CTC/RGB 16-bit (56ch) 24
Mode 26: Light Engine HSB 16-bit (32ch) 26
Mode 27: Light Engine XY 16-bit (24ch) 28
Mode 28: Ultimate Mode 16-bit (36ch) 29
9 Technical specifications 30
10 Maintenance and cleaning 30
11 Troubleshooting 31
12 Disposal 31

1 About this manual

This document describes the Nova P600c by Aputure. It was compiled from the GDTF file Aputure_Nova_P600C_71824.gdtf from the GDTF-Share library.

File revision: “1.0.1”.

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 Aputure; 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

DMX modes

Mode	Channels	Units in one universe	First start addresses
Mode 1: CTC/RGB 8-bit (8ch)	8	64	1, 9, 17, 25, ...
Mode 2: CTC 8-bit (4ch)	4	128	1, 5, 9, 13, ...
Mode 3: CTC/HSB 8-bit (8ch)	8	64	1, 9, 17, 25, ...
Mode 4: RGB 8-bit (5ch)	5	102	1, 6, 11, 16, ...
Mode 5: HSB 8-bit (5ch)	5	102	1, 6, 11, 16, ...
Mode 6: GEL 8-bit (6ch)	6	85	1, 7, 13, 19, ...
Mode 7: XY 8-bit (4ch)	4	128	1, 5, 9, 13, ...
Mode 8: Source 8-bit (5ch)	5	102	1, 6, 11, 16, ...
Mode 9: FX 8-bit (21ch)	21	24	1, 22, 43, 64, ...
Mode 10: WW/RGB 8-bit (5ch)	5	102	1, 6, 11, 16, ...
Mode 11: Light Engine CTC/RGB 8-bit (28ch)	28	18	1, 29, 57, 85, ...
Mode 12: Light Engine HSB 8-bit (16ch)	16	32	1, 17, 33, 49, ...
Mode 13: Light Engine XY 8-bit (12ch)	12	42	1, 13, 25, 37, ...
Mode 14: Ultimate Mode 8-bit (22ch)	22	23	1, 23, 45, 67, ...
Mode 15: CTC/RBG 16-bit (15ch)	15	34	1, 16, 31, 46, ...
Mode 16: CTC 16-bit (7ch)	7	73	1, 8, 15, 22, ...
Mode 17: CTC/HSB 16-bit (15ch)	15	34	1, 16, 31, 46, ...
Mode 18: RGB 16-bit (9ch)	9	56	1, 10, 19, 28, ...
Mode 19: HSB 16-bit (9ch)	9	56	1, 10, 19, 28, ...
Mode 20: GEL 16-bit (7ch)	7	73	1, 8, 15, 22, ...
Mode 21: XY 16-bit (7ch)	7	73	1, 8, 15, 22, ...
Mode 22: Source 16-bit (6ch)	6	85	1, 7, 13, 19, ...
Mode 23: FX 16-bit (35ch)	35	14	1, 36, 71, 106, ...
Mode 24: WWRGB 16-bit (10ch)	10	51	1, 11, 21, 31, ...
Mode 25: Light Engine CTC/RGB 16-bit (56ch)	56	9	1, 57, 113, 169, ...
Mode 26: Light Engine HSB 16-bit (32ch)	32	16	1, 33, 65, 97, ...
Mode 27: Light Engine XY 16-bit (24ch)	24	21	1, 25, 49, 73, ...
Mode 28: Ultimate Mode 16-bit (36ch)	36	14	1, 37, 73, 109, ...



Read the manual before use



Do not stare into the light



Indoor use only

3 Safety instructions



Read the manual before use



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

- 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.

4 Installation

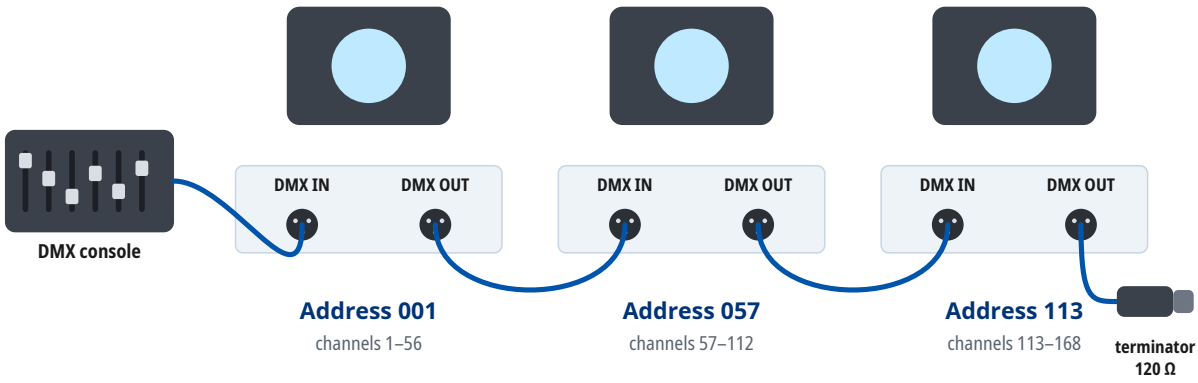
⚠ WARNING

- 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.
- 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.

5 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 25: Light Engine CTC/RGB 16-bit (56ch): every unit occupies 56 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.

6 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 25: Light Engine CTC/RGB 16-bit (56ch)”: 56.
- 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 25: Light Engine CTC/RGB 16-bit (56ch)”, you can use, for example, the start addresses 1, 57, 113, 169.
- The DMX mode set on the device must match the fixture profile (personality) used in the controller.

7 Functions at a glance

Functions in each DMX mode

	Mode 1: CTC/RGB 8-bit (8ch) 8 channels	Mode 2: CTC 8-bit (4ch) 4 channels	Mode 3: CTC/HSB 8-bit (8ch) 8 channels	Mode 4: RGB 8-bit (5ch) 5 channels	Mode 5: HSB 8-bit (5ch) 5 channels	Mode 6: GEL 8-bit (6ch) 6 channels	Mode 7: XY 8-bit (4ch) 4 channels	Mode 8: Source 8-bit (5ch) 5 channels
Dimmer	1	1	1	1	1	1	1	1
Shutter / strobe	8	4	8	5	5	6	4	5
Color mixing	5–7			2–4				
Color temperature	2	2	2			2		

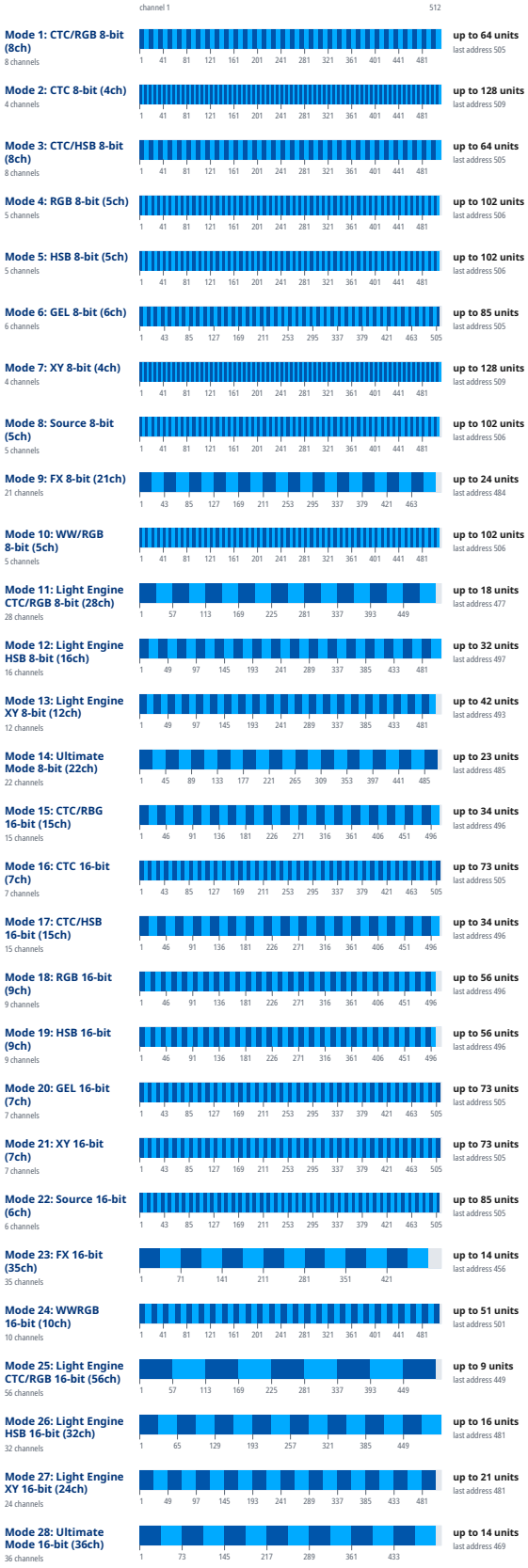
Cells (pixels)



4 cells where the GDTF file places them (seen from above), numbered by their first DMX channel (CH) in the mode “Mode 28: Ultimate Mode 16-bit (36ch)”.

8 DMX channels

Units in one DMX universe



Start addresses of 20 units in the mode “Mode 25: Light Engine CTC/RGB 16-bit (56ch)”

Unit	Start address	Unit	Start address	Unit	Start address	Unit	Start address
1	1	6	281	11	U2 · 57	16	U2 · 337
2	57	7	337	12	U2 · 113	17	U2 · 393
3	113	8	393	13	U2 · 169	18	U2 · 449
4	169	9	449	14	U2 · 225	19	U3 · 1
5	225	10	U2 · 1	15	U2 · 281	20	U3 · 57

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.

Mode 1: CTC/RGB 8-bit (8ch)

If the device receives DMX in this mode but gives no light, check these channels: CH 8 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer	0	0%
		1–254	0% … 100%
		255	100%
2	Color Temperature	0	2000K
		1–254	2000K … 10000K
		255	10000K
3	Tint	0–10	No Effect
		11–20	Full Minus Green
		21–119	-99% to -1%
		120–145	No Effect
		146–244	1% to 99%
		245–255	Full Plus Green
4	Color Control		CTC/RGB Mix
		0	White Light
		1–254	White Light … RGB
		255	RGB
5	Red	0	Min
		1–254	Min … Max
		255	Max
6	Green	0	Min
		1–254	Min … Max
		255	Max
7	Blue	0	Min
		1–254	Min … Max
		255	Max
8	Strobe Frequency	0–19	No Effect
		20	1 Hz
		21–254	1 Hz … 25 Hz
		255	25 Hz

Mode 2: CTC 8-bit (4ch)

If the device receives DMX in this mode but gives no light, check these channels: CH 4 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
2	Color Temperature		Same as CH 2 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
3	Tint		Same as CH 3 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
4	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 3: CTC/HSB 8-bit (8ch)

If the device receives DMX in this mode but gives no light, check these channels: CH 8 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
2	Color Temperature		Same as CH 2 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
3	Tint		Same as CH 3 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
4	Color Control		CTC/HSB Mix
		0	White Light
		1–254	White Light ... HSB
		255	HSB
5	Hue	0	1
		1–254	1 ... 360
		255	360
6	Saturation	0	Min
		1–254	Min ... Max
		255	Max
7	HSB Base CTC	0	2000K
		1–254	2000K ... 10000K
		255	10000K
8	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 4: RGB 8-bit (5ch)

If the device receives DMX in this mode but gives no light, check these channels: CH 5 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
2	Red		Same as CH 5 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
3	Green		Same as CH 6 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
4	Blue		Same as CH 7 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
5	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 5: HSB 8-bit (5ch)

If the device receives DMX in this mode but gives no light, check these channels: CH 5 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
2	Hue		Same as CH 5 in the mode “Mode 3: CTC/HSB 8-bit (8ch)” (p. 9)
3	Saturation		Same as CH 6 in the mode “Mode 3: CTC/HSB 8-bit (8ch)” (p. 9)
4	HSB Base CTC		Same as CH 7 in the mode “Mode 3: CTC/HSB 8-bit (8ch)” (p. 9)
5	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 6: GEL 8-bit (6ch)

If the device receives DMX in this mode but gives no light, check these channels: CH 6 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
2	Color Temperature	0–126	3200K
		127–255	5600K
3	Rosco Lee	0–29	Rosco
		30–59	Lee
		60–255	Reserved
4	Series	0–9	R - ColorCorr / L - ColorCorr
		10–19	R - CalColor / L - ColorFilters
		20–29	R - Storaro / L - 600 Series
		30–39	R - Cinelux / L - Cosmetic

CH	Function	DMX	Description
4	Series (continued)	40–49	R - Reserved / L - 700 Series
		50–255	Reserved
5	GEL Category	0–255	
6	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 7: XY 8-bit (4ch)

If the device receives DMX in this mode but gives no light, check these channels: CH 4 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
2	CIE X	0	Min
		1–254	Min ... Max
		255	Max
3	CIE Y	0	Min
		1–254	Min ... Max
		255	Max
4	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 8: Source 8-bit (5ch)

If the device receives DMX in this mode but gives no light, check these channels: CH 5 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
2	Source	0–2	Tungsten Bulb
		3–5	Incandescent
		6–8	Halogen
		9–11	Antique Bulb
		12–14	Warm Antique Bulb
		15–17	Christmas Lights
		18–20	Night Light
		21–23	Infrared Heat Lamp
		24–26	Grow Light
		27–29	CFL Soft White
		30–32	CFL Bright White
		33–35	CFL Cool White
		36–38	CFL Daylight
		39–41	Cool White 1
		42–44	Cool White 2
		45–47	Cool White 3

CH	Function	DMX	Description
2	Source (continued)	48–50	Warm White
		51–53	CFL Blacklight
		54–56	HMI
		57–59	High Pressure Sodium
		60–62	Low Pressure Sodium
		63–65	Mercury Vapor
		66–68	Metal Halide
		69–71	Ceramic
		72–74	Carbon Arc
		75–77	Xenon
		78–80	Candle
		81–83	Gas Fire
		84–86	Sun Direct
		87–89	Sun Overcast
		90–92	Sun Blue Hour
		93–95	Mobile Phone
		96–98	Computer Monitor
		99–101	Electroluminescence
		102–104	Blow Torch
		105–107	Road Flare
		108–110	Amber Caution
		111–113	Green Traffic Light
		114–116	Yellow Traffic Light
		117–119	Red Traffic Light
		120–122	Blue Glow Stick
		123–125	Green Glow Stick
		126–128	Red Glow Stick
		129–131	Yellow Glow Stick
		132–135	Pink Glow Stick
		136–138	Violet Glow Stick
		139–255	Reserved
3	CIE X	0–127	0 to 1/200
		128–255	0 to -1/200
4	CIE Y	0–127	0 to 1/200
		128–255	0 to -1/200
5	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 9: FX 8-bit (21ch)

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
2	FX Selection	0–9	Club Lights
		10–19	Paparazzi
		20–29	Lightning
		30–39	TV
		40–49	Candle
		50–59	Fire
		60–69	Strobe
		70–79	Explosion
		80–89	Faulty Bulb
		90–99	Pulsing
		100–109	Welding
		110–119	Cop Car
		120–129	Color Chase
		130–139	Party Lights
		140–149	Fireworks
		150–159	Color Fade
		160–169	Color Cycle
		170–179	Color Gradient
		180–189	One Color Chase
		190–255	Reserved
3	Param 01	0–255	

CH 3–21: 19 cells of 1 channel each. Every cell works as cell 1 in the table above (CH 3); the table below gives each cell's channel numbers.

Cell	Param	Cell	Param	Cell	Param	Cell	Param	Cell	Param	Cell	Param
1	3	2	4	3	5	4	6	5	7	6	8
7	9	8	10	9	11	10	12	11	13	12	14
13	15	14	16	15	17	16	18	17	19	18	20
19	21										

Mode 10: WW/RGB 8-bit (5ch)

CH	Function	DMX	Description
1	Warm White	0	0%
		1–254	0% … 100%
		255	100%
2	Cool White	0	0%
		1–254	0% … 100%
		255	100%

CH	Function	DMX	Description
3	Red		Same as CH 5 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
4	Green		Same as CH 6 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
5	Blue		Same as CH 7 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 11: Light Engine CTC/RGB 8-bit (28ch)

CH	Function	DMX	Description
1	Dimmer 1	0	0%
		1–254	0% ... 100%
		255	100%
2	Color Temperature 1	0	2000K
		1–254	2000K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minus Green
		21–119	-99% to -1%
		120–145	No Effect
		146–244	1% to 99%
		245–255	Full Plus Green
4	Color Control 1		CTC/RGB Mix
		0	White Light
		1–254	White Light ... RGB
		255	RGB
5	Red 1	0	Min
		1–254	Min ... Max
		255	Max
6	Green 1	0	Min
		1–254	Min ... Max
		255	Max
7	Blue 1	0	Min
		1–254	Min ... Max
		255	Max
8	Dimmer 2	0	0%
		1–254	0% ... 100%
		255	100%
9	Color Temperature 2	0	2000K
		1–254	2000K ... 10000K
		255	10000K
10	Tint 2	0–10	No Effect
		11–20	Full Minus Green

CH	Function	DMX	Description
10	Tint 2 (continued)	21–119	-99% to -1%
		120–145	No Effect
		146–244	1% to 99%
		245–255	Full Plus Green
11	Color Control 2		CTC/RGB Mix
		0	White Light
		1–254	White Light ... RGB
		255	RGB
12	Red 2	0	Min
		1–254	Min ... Max
		255	Max
13	Green 2	0	Min
		1–254	Min ... Max
		255	Max
14	Blue 2	0	Min
		1–254	Min ... Max
		255	Max
15	Dimmer 3	0	0%
		1–254	0% ... 100%
		255	100%
16	Color Temperature 3	0	2000K
		1–254	2000K ... 10000K
		255	10000K
17	Tint 3	0–10	No Effect
		11–20	Full Minus Green
		21–119	-99% to -1%
		120–145	No Effect
		146–244	1% to 99%
		245–255	Full Plus Green
18	Color Control 3		CTC/RGB Mix
		0	White Light
		1–254	White Light ... RGB
		255	RGB
19	Red 3	0	Min
		1–254	Min ... Max
		255	Max
20	Green 3	0	Min
		1–254	Min ... Max
		255	Max
21	Blue 3	0	Min
		1–254	Min ... Max
		255	Max

CH	Function	DMX	Description
22	Dimmer 4	0	0%
		1–254	0% … 100%
		255	100%
23	Color Temperature 4	0	2000K
		1–254	2000K … 10000K
		255	10000K
24	Tint 4	0–10	No Effect
		11–20	Full Minus Green
		21–119	-99% to -1%
		120–145	No Effect
		146–244	1% to 99%
		245–255	Full Plus Green
25	Color Control 4		CTC/RGB Mix
		0	White Light
		1–254	White Light … RGB
		255	RGB
26	Red 4	0	Min
		1–254	Min … Max
		255	Max
27	Green 4	0	Min
		1–254	Min … Max
		255	Max
28	Blue 4	0	Min
		1–254	Min … Max
		255	Max

Mode 12: Light Engine HSB 8-bit (16ch)

CH	Function	DMX	Description
1	Dimmer 1		Same as CH 1 in the mode “Mode 11: Light Engine CTC/RGB 8-bit (28ch)” (p. 14)
2	Hue 1	0	1
		1–254	1 … 360
		255	360
3	Saturation 1	0	Min
		1–254	Min … Max
		255	Max
4	HSB Base CTC 1	0	2000K
		1–254	2000K … 10000K
		255	10000K
5	Dimmer 2		Same as CH 8 in the mode “Mode 11: Light Engine CTC/RGB 8-bit (28ch)” (p. 14)
6	Hue 2	0	1
		1–254	1 … 360

CH	Function	DMX	Description
6	Hue 2 (continued)	255	360
7	Saturation 2	0	Min
		1–254	Min … Max
		255	Max
8	HSB Base CTC 2	0	2000K
		1–254	2000K … 10000K
		255	10000K
9	Dimmer 3		Same as CH 15 in the mode “Mode 11: Light Engine CTC/RGB 8-bit (28ch)” (p. 15)
10	Hue 3	0	1
		1–254	1 … 360
		255	360
11	Saturation 3	0	Min
		1–254	Min … Max
		255	Max
12	HSB Base CTC 3	0	2000K
		1–254	2000K … 10000K
		255	10000K
13	Dimmer 4		Same as CH 22 in the mode “Mode 11: Light Engine CTC/RGB 8-bit (28ch)” (p. 16)
14	Hue 4	0	1
		1–254	1 … 360
		255	360
15	Saturation 4	0	Min
		1–254	Min … Max
		255	Max
16	HSB Base CTC 4	0	2000K
		1–254	2000K … 10000K
		255	10000K

Mode 13: Light Engine XY 8-bit (12ch)

CH	Function	DMX	Description
1	Dimmer 1		Same as CH 1 in the mode “Mode 11: Light Engine CTC/RGB 8-bit (28ch)” (p. 14)
2	CIE X 1	0	Min
		1–254	Min … Max
		255	Max
3	CIE Y 1	0	Min
		1–254	Min … Max
		255	Max
4	Dimmer 2		Same as CH 8 in the mode “Mode 11: Light Engine CTC/RGB 8-bit (28ch)” (p. 14)
5	CIE X 2	0	Min

CH	Function	DMX	Description
5	CIE X 2 (continued)	1–254	Min ... Max
		255	Max
6	CIE Y 2	0	Min
		1–254	Min ... Max
		255	Max
7	Dimmer 3		Same as CH 15 in the mode “Mode 11: Light Engine CTC/RGB 8-bit (28ch)” (p. 15)
8	CIE X 3	0	Min
		1–254	Min ... Max
		255	Max
9	CIE Y 3	0	Min
		1–254	Min ... Max
		255	Max
10	Dimmer 4		Same as CH 22 in the mode “Mode 11: Light Engine CTC/RGB 8-bit (28ch)” (p. 16)
11	CIE X 4	0	Min
		1–254	Min ... Max
		255	Max
12	CIE Y 4	0	Min
		1–254	Min ... Max
		255	Max

Mode 14: Ultimate Mode 8-bit (22ch)

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)
2	Mode Selection	0–9	CCT and RGB
		10–19	CCT
		20–29	CCT and HSI
		30–39	RGB
		40–49	HSI
		50–59	Gel
		60–69	XY
		70–79	Source
		80–89	FX
		90–255	Reserved
3	Param 01	0–255	

CH 3–22: 20 cells of 1 channel each. Every cell works as cell 1 in the table above (CH 3); the table below gives each cell's channel numbers.

Cell	Param	Cell	Param	Cell	Param	Cell	Param	Cell	Param	Cell	Param
1	3	2	4	3	5	4	6	5	7	6	8
7	9	8	10	9	11	10	12	11	13	12	14
13	15	14	16	15	17	16	18	17	19	18	20
19	21	20	22								

Mode 15: CTC/RBG 16-bit (15ch)

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 15 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer	0–255	0% … 100%
		255	100%
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	2000K … 10000K
		255	10000K
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint	0–17	No Effect
		17–38	Full Minus Green
		38–117	-99% to -1%
		117–156	No Effect
		156–235	1% to 99%
		235–255	Full Plus Green
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Color Control		CTC/RGB Mix
		0–255	White Light … RGB
		255	RGB
8	Color Control Fine	0–255	Fine adjustment of CH 7
9	Red	0–255	Min … Max
		255	Max
10	Red Fine	0–255	Fine adjustment of CH 9
11	Green	0–255	Min … Max
		255	Max
12	Green Fine	0–255	Fine adjustment of CH 11
13	Blue	0–255	Min … Max
		255	Max
14	Blue Fine	0–255	Fine adjustment of CH 13
15	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 16: CTC 16-bit (7ch)

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 7 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 5 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 17: CTC/HSB 16-bit (15ch)

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 15 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 5 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Color Control		CTC/HSB Mix
		0–255	White Light ... HSB
		255	HSB
8	Color Control Fine	0–255	Fine adjustment of CH 7
9	Hue	0–255	1 ... 360
		255	360
10	Hue Fine	0–255	Fine adjustment of CH 9
11	Saturation	0–255	Min ... Max
		255	Max
12	Saturation Fine	0–255	Fine adjustment of CH 11

CH	Function	DMX	Description
13	HSB Base CTC	0–255	2000K ... 10000K
		255	10000K
14	HSB Base CTC Fine	0–255	Fine adjustment of CH 13
15	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 18: RGB 16-bit (9ch)

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 9 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Red		Same as CH 9 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
4	Red Fine	0–255	Fine adjustment of CH 3
5	Green		Same as CH 11 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
6	Green Fine	0–255	Fine adjustment of CH 5
7	Blue		Same as CH 13 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
8	Blue Fine	0–255	Fine adjustment of CH 7
9	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 19: HSB 16-bit (9ch)

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 9 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Hue		Same as CH 9 in the mode “Mode 17: CTC/HSB 16-bit (15ch)” (p. 20)
4	Hue Fine	0–255	Fine adjustment of CH 3
5	Saturation		Same as CH 11 in the mode “Mode 17: CTC/HSB 16-bit (15ch)” (p. 20)
6	Saturation Fine	0–255	Fine adjustment of CH 5

CH	Function	DMX	Description
7	HSB Base CTC		Same as CH 13 in the mode “Mode 17: CTC/HSB 16-bit (15ch)” (p. 21)
8	HSB Base CTC Fine	0–255	Fine adjustment of CH 7
9	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 20: GEL 16-bit (7ch)

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 7 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 2 in the mode “Mode 6: GEL 8-bit (6ch)” (p. 10)
4	Rosco Lee		Same as CH 3 in the mode “Mode 6: GEL 8-bit (6ch)” (p. 10)
5	Series		Same as CH 4 in the mode “Mode 6: GEL 8-bit (6ch)” (p. 10)
6	GEL Category	0–255	
7	Strobe Frequency	0–19	No Effect
		20	1 Hz
		21–254	1 Hz ... 25Hz
		255	25Hz

Mode 21: XY 16-bit (7ch)

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 7 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	CIE X	0–255	Min ... Max
		255	Max
4	CIE X Fine	0–255	Fine adjustment of CH 3
5	CIE Y	0–255	Min ... Max
		255	Max
6	CIE Y Fine	0–255	Fine adjustment of CH 5
7	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 22: Source 16-bit (6ch)

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 6 Strobe Frequency at 0–19 “No Effect”.

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Source		Same as CH 2 in the mode “Mode 8: Source 8-bit (5ch)” (p. 11)
4	CIE X		Same as CH 3 in the mode “Mode 8: Source 8-bit (5ch)” (p. 12)
5	CIE Y		Same as CH 4 in the mode “Mode 8: Source 8-bit (5ch)” (p. 12)
6	Strobe Frequency		Same as CH 8 in the mode “Mode 1: CTC/RGB 8-bit (8ch)” (p. 8)

Mode 23: FX 16-bit (35ch)

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

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	FX Selection		Same as CH 2 in the mode “Mode 9: FX 8-bit (21ch)” (p. 13)
4	Param 01	0–255	

CH 4–35: 32 cells of 1 channel each. Every cell works as cell 1 in the table above (CH 4); the table below gives each cell's channel numbers.

Cell	Param	Cell	Param	Cell	Param	Cell	Param	Cell	Param	Cell	Param
1	4	2	5	3	6	4	7	5	8	6	9
7	10	8	11	9	12	10	13	11	14	12	15
13	16	14	17	15	18	16	19	17	20	18	21
19	22	20	23	21	24	22	25	23	26	24	27
25	28	26	29	27	30	28	31	29	32	30	33
31	34	32	35								

Mode 24: WWRGB 16-bit (10ch)

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

CH	Function	DMX	Description
1	Warm White	0–255	0% … 100%
		255	100%
2	Warm White Fine	0–255	Fine adjustment of CH 1
3	Cool White	0–255	0% … 100%
		255	100%
4	Cool White Fine	0–255	Fine adjustment of CH 3
5	Red		Same as CH 9 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)

CH	Function	DMX	Description
6	Red Fine	0–255	Fine adjustment of CH 5
7	Green		Same as CH 11 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
8	Green Fine	0–255	Fine adjustment of CH 7
9	Blue		Same as CH 13 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
10	Blue Fine	0–255	Fine adjustment of CH 9

Mode 25: Light Engine CTC/RGB 16-bit (56ch)

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

CH	Function	DMX	Description
1	Dimmer 1	0–255	0% … 100%
		255	100%
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0–255	2000K … 10000K
		255	10000K
4	Color Temperature 1 Fine	0–255	Fine adjustment of CH 3
5	Tint 1	0–17	No Effect
		17–38	Full Minus Green
		38–117	-99% to -1%
		117–156	No Effect
		156–235	1% to 99%
		235–255	Full Plus Green
6	Tint 1 Fine	0–255	Fine adjustment of CH 5
7	Color Control 1		CTC/RGB Mix
		0–255	White Light … RGB
		255	RGB
8	Color Control 1 Fine	0–255	Fine adjustment of CH 7
9	Red 1	0–255	Min … Max
		255	Max
10	Red 1 Fine	0–255	Fine adjustment of CH 9
11	Green 1	0–255	Min … Max
		255	Max
12	Green 1 Fine	0–255	Fine adjustment of CH 11
13	Blue 1	0–255	Min … Max
		255	Max
14	Blue 1 Fine	0–255	Fine adjustment of CH 13
15	Dimmer 2	0–255	0% … 100%
		255	100%
16	Dimmer 2 Fine	0–255	Fine adjustment of CH 15
17	Color Temperature 2	0–255	2000K … 10000K
		255	10000K
18	Color Temperature 2 Fine	0–255	Fine adjustment of CH 17

CH	Function	DMX	Description
19	Tint 2	0–17	No Effect
		17–38	Full Minus Green
		38–117	-99% to -1%
		117–156	No Effect
		156–235	1% to 99%
		235–255	Full Plus Green
20	Tint 2 Fine	0–255	Fine adjustment of CH 19
21	Color Control 2		CTC/RGB Mix
		0–255	White Light ... RGB
		255	RGB
22	Color Control 2 Fine	0–255	Fine adjustment of CH 21
23	Red 2	0–255	Min ... Max
		255	Max
24	Red 2 Fine	0–255	Fine adjustment of CH 23
25	Green 2	0–255	Min ... Max
		255	Max
26	Green 2 Fine	0–255	Fine adjustment of CH 25
27	Blue 2	0–255	Min ... Max
		255	Max
28	Blue 2 Fine	0–255	Fine adjustment of CH 27
29	Dimmer 3	0–255	0% ... 100%
		255	100%
30	Dimmer 3 Fine	0–255	Fine adjustment of CH 29
31	Color Temperature 3	0–255	2000K ... 10000K
		255	10000K
32	Color Temperature 3 Fine	0–255	Fine adjustment of CH 31
33	Tint 3	0–17	No Effect
		17–38	Full Minus Green
		38–117	-99% to -1%
		117–156	No Effect
		156–235	1% to 99%
		235–255	Full Plus Green
34	Tint 3 Fine	0–255	Fine adjustment of CH 33
35	Color Control 3		CTC/RGB Mix
		0–255	White Light ... RGB
		255	RGB
36	Color Control 3 Fine	0–255	Fine adjustment of CH 35
37	Red 3	0–255	Min ... Max
		255	Max
38	Red 3 Fine	0–255	Fine adjustment of CH 37
39	Green 3	0–255	Min ... Max
		255	Max

CH	Function	DMX	Description
40	Green 3 Fine	0–255	Fine adjustment of CH 39
41	Blue 3	0–255	Min ... Max
		255	Max
42	Blue 3 Fine	0–255	Fine adjustment of CH 41
43	Dimmer 4	0–255	0% ... 100%
		255	100%
44	Dimmer 4 Fine	0–255	Fine adjustment of CH 43
45	Color Temperature 4	0–255	2000K ... 10000K
		255	10000K
46	Color Temperature 4 Fine	0–255	Fine adjustment of CH 45
47	Tint 4	0–17	No Effect
		17–38	Full Minus Green
		38–117	-99% to -1%
		117–156	No Effect
		156–235	1% to 99%
		235–255	Full Plus Green
48	Tint 4 Fine	0–255	Fine adjustment of CH 47
49	Color Control 4		CTC/RGB Mix
		0–255	White Light ... RGB
		255	RGB
50	Color Control 4 Fine	0–255	Fine adjustment of CH 49
51	Red 4	0–255	Min ... Max
		255	Max
52	Red 4 Fine	0–255	Fine adjustment of CH 51
53	Green 4	0–255	Min ... Max
		255	Max
54	Green 4 Fine	0–255	Fine adjustment of CH 53
55	Blue 4	0–255	Min ... Max
		255	Max
56	Blue 4 Fine	0–255	Fine adjustment of CH 55

Mode 26: Light Engine HSB 16-bit (32ch)

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

CH	Function	DMX	Description
1	Dimmer 1		Same as CH 1 in the mode “Mode 25: Light Engine CTC/RGB 16-bit (56ch)” (p. 24)
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Hue 1	0–255	1 ... 360
		255	360
4	Hue 1 Fine	0–255	Fine adjustment of CH 3
5	Saturation 1	0–255	Min ... Max
		255	Max

CH	Function	DMX	Description
6	Saturation 1 Fine	0–255	Fine adjustment of CH 5
7	HSB Base CTC 1	0–255	2000K ... 10000K
		255	10000K
8	HSB Base CTC 1 Fine	0–255	Fine adjustment of CH 7
9	Dimmer 2		Same as CH 15 in the mode “Mode 25: Light Engine CTC/RGB 16-bit (56ch)” (p. 24)
10	Dimmer 2 Fine	0–255	Fine adjustment of CH 9
11	Hue 2	0–255	1 ... 360
		255	360
12	Hue 2 Fine	0–255	Fine adjustment of CH 11
13	Saturation 2	0–255	Min ... Max
		255	Max
14	Saturation 2 Fine	0–255	Fine adjustment of CH 13
15	HSB Base CTC 2	0–255	2000K ... 10000K
		255	10000K
16	HSB Base CTC 2 Fine	0–255	Fine adjustment of CH 15
17	Dimmer 3		Same as CH 29 in the mode “Mode 25: Light Engine CTC/RGB 16-bit (56ch)” (p. 25)
18	Dimmer 3 Fine	0–255	Fine adjustment of CH 17
19	Hue 3	0–255	1 ... 360
		255	360
20	Hue 3 Fine	0–255	Fine adjustment of CH 19
21	Saturation 3	0–255	Min ... Max
		255	Max
22	Saturation 3 Fine	0–255	Fine adjustment of CH 21
23	HSB Base CTC 3	0–255	2000K ... 10000K
		255	10000K
24	HSB Base CTC 3 Fine	0–255	Fine adjustment of CH 23
25	Dimmer 4		Same as CH 43 in the mode “Mode 25: Light Engine CTC/RGB 16-bit (56ch)” (p. 26)
26	Dimmer 4 Fine	0–255	Fine adjustment of CH 25
27	Hue 4	0–255	1 ... 360
		255	360
28	Hue 4 Fine	0–255	Fine adjustment of CH 27
29	Saturation 4	0–255	Min ... Max
		255	Max
30	Saturation 4 Fine	0–255	Fine adjustment of CH 29
31	HSB Base CTC 4	0–255	2000K ... 10000K
		255	10000K
32	HSB Base CTC 4 Fine	0–255	Fine adjustment of CH 31

Mode 27: Light Engine XY 16-bit (24ch)

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

CH	Function	DMX	Description
1	Dimmer 1		Same as CH 1 in the mode “Mode 25: Light Engine CTC/RGB 16-bit (56ch)” (p. 24)
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	CIE X 1	0–255	Min ... Max
		255	Max
4	CIE X 1 Fine	0–255	Fine adjustment of CH 3
5	CIE Y 1	0–255	Min ... Max
		255	Max
6	CIE Y 1 Fine	0–255	Fine adjustment of CH 5
7	Dimmer 2		Same as CH 15 in the mode “Mode 25: Light Engine CTC/RGB 16-bit (56ch)” (p. 24)
8	Dimmer 2 Fine	0–255	Fine adjustment of CH 7
9	CIE X 2	0–255	Min ... Max
		255	Max
10	CIE X 2 Fine	0–255	Fine adjustment of CH 9
11	CIE Y 2	0–255	Min ... Max
		255	Max
12	CIE Y 2 Fine	0–255	Fine adjustment of CH 11
13	Dimmer 3		Same as CH 29 in the mode “Mode 25: Light Engine CTC/RGB 16-bit (56ch)” (p. 25)
14	Dimmer 3 Fine	0–255	Fine adjustment of CH 13
15	CIE X 3	0–255	Min ... Max
		255	Max
16	CIE X 3 Fine	0–255	Fine adjustment of CH 15
17	CIE Y 3	0–255	Min ... Max
		255	Max
18	CIE Y 3 Fine	0–255	Fine adjustment of CH 17
19	Dimmer 4		Same as CH 43 in the mode “Mode 25: Light Engine CTC/RGB 16-bit (56ch)” (p. 26)
20	Dimmer 4 Fine	0–255	Fine adjustment of CH 19
21	CIE X 4	0–255	Min ... Max
		255	Max
22	CIE X 4 Fine	0–255	Fine adjustment of CH 21
23	CIE Y 4	0–255	Min ... Max
		255	Max
24	CIE Y 4 Fine	0–255	Fine adjustment of CH 23

Mode 28: Ultimate Mode 16-bit (36ch)

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

CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Mode 15: CTC/RBG 16-bit (15ch)” (p. 19)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Mode Selection		Same as CH 2 in the mode “Mode 14: Ultimate Mode 8-bit (22ch)” (p. 18)
4	Param 01	0–255	

CH 4–36: 33 cells of 1 channel each. Every cell works as cell 1 in the table above (CH 4); the table below gives each cell's channel numbers.

Cell	Param	Cell	Param	Cell	Param	Cell	Param	Cell	Param	Cell	Param
1	4	2	5	3	6	4	7	5	8	6	9
7	10	8	11	9	12	10	13	11	14	12	15
13	16	14	17	15	18	16	19	17	20	18	21
19	22	20	23	21	24	22	25	23	26	24	27
25	28	26	29	27	30	28	31	29	32	30	33
31	34	32	35	33	36						

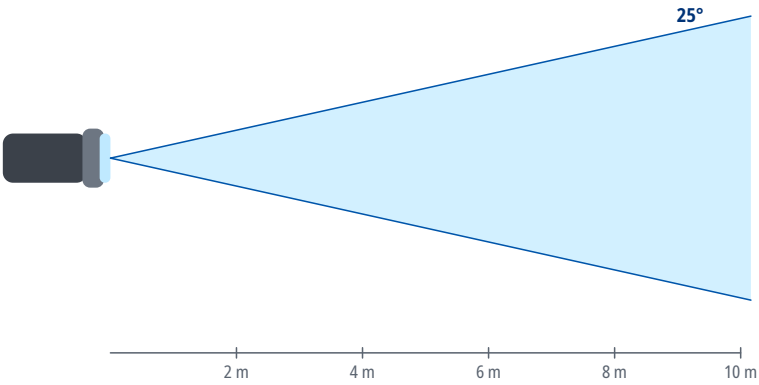
9 Technical specifications

Parameter	Value
Light source	LED
Operating temperature	-20 to 45 °C

Speeds and ranges

Parameter	Value
Color temperature range	2000–10000 K
Strobe frequency	0–25 Hz

Spot diameter



Distance	Ø 25°
2 m	0.89 m
4 m	1.8 m
6 m	2.7 m
8 m	3.5 m
10 m	4.4 m
15 m	6.7 m

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

10 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.

11 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.

12 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.