DMX REFERENCE

Storm 3500 IP

Vello Light



Manufacturer	Vello Light
GDTF file	User_Test_Storm3500_IP_117346.gdtf
GDTF revision	Rev 5 · 2025-11-13
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1 About this manual

This document describes the Storm 3500 IP by Vello Light. It was compiled from the GDTF file User_Test_Storm3500_IP_117346.gdtf from the GDTF-Share library.

File revision: “Rev 5”.

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 Vello Light; 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
Weight	14 kg

DMX modes

Mode	Channels	Units in one universe	First start addresses
71Ch Mode	71	7	1, 72, 143, 214, ...
59 ch mode 2	59	8	1, 60, 119, 178, ...
61 ch Mode	61	8	1, 62, 123, 184, ...
11ch Mode	11	46	1, 12, 23, 34, ...
15ch Mode	15	34	1, 16, 31, 46, ...

No light? Check these channels

- 71Ch Mode: CH 2 Shutter at 0–9 or 220–255
- 59 ch mode 2: CH 3 Shutter at 0–9 or 220–255
- 61 ch Mode: CH 1 Dimmer above 0; CH 4 Shutter 1 at 0–9 or 220–255; CH 5 Shutter 2 at 0–9 or 220–255
- 11ch Mode: CH 1 Dimmer above 0
- 15ch Mode: CH 1 Dimmer above 0


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.

⚠ WARNING

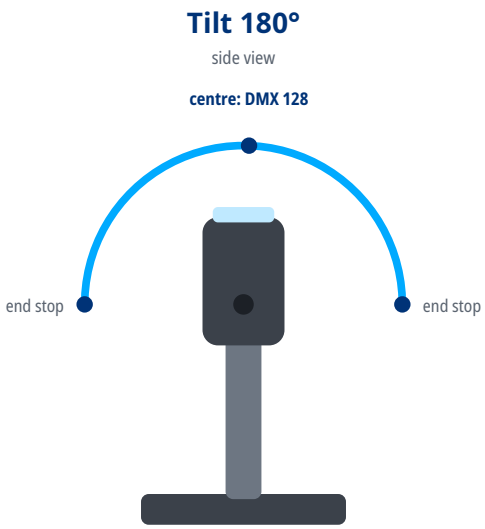
- The moving parts of the device (for example the head or arms) can move quickly and unexpectedly at any time – after power-on, during a reset, or on a command from the controller.
- Keep yourself and any objects out of the range of movement. While the device is switched on, do not touch the moving parts,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

“Color STRIKE M OR JDC1 CLONE, THIS VERSION HAS THE MASTER DIMMER BY DEFUALT ON AND ALL PIXEL VDIM'S OFF”

Range of movement



5 Installation

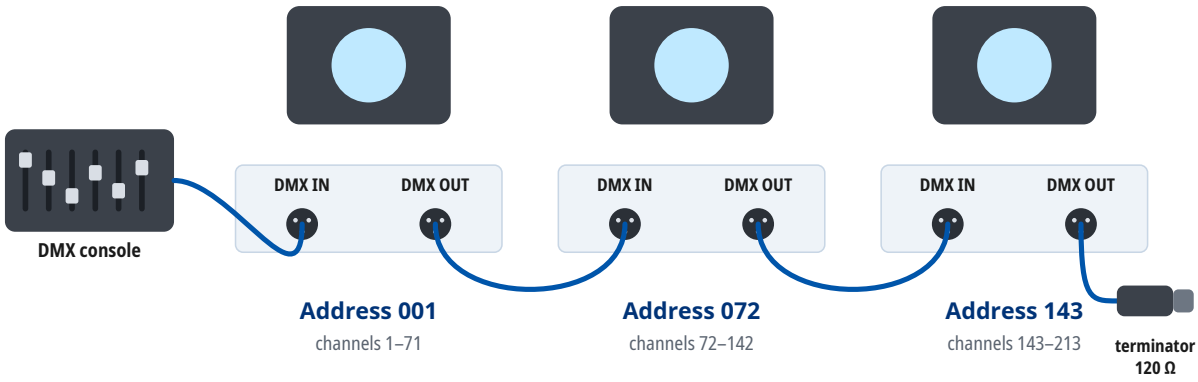
⚠ WARNING

- 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: 14 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 71Ch Mode: every unit occupies 71 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 “71Ch Mode”: 71.
- 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 “71Ch Mode”, you can use, for example, the start addresses 1, 72, 143, 214.
- 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

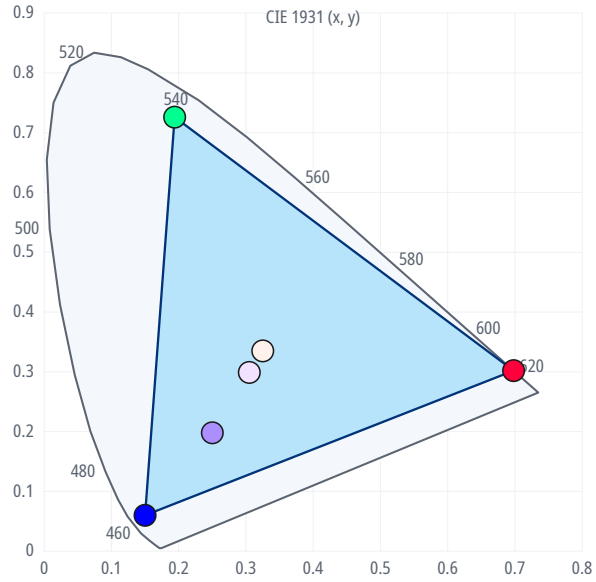
Functions in each DMX mode

	71Ch Mode 71 channels	59 ch mode 2 59 channels	61 ch Mode 61 channels	11ch Mode 11 channels	15ch Mode 15 channels
Pan / Tilt	5	1	2	5	5
Dimmer	1	✓	1	1	1
Shutter / strobe	2–4	3	4, 5	2–4	2–4
Color mixing	8–11, 16–71	4–59	6–61	8–11	8–11
Effects / macros	13–15				12–14
Pixel control	14 + 8 cells	8 cells	8 cells		

Color wheel



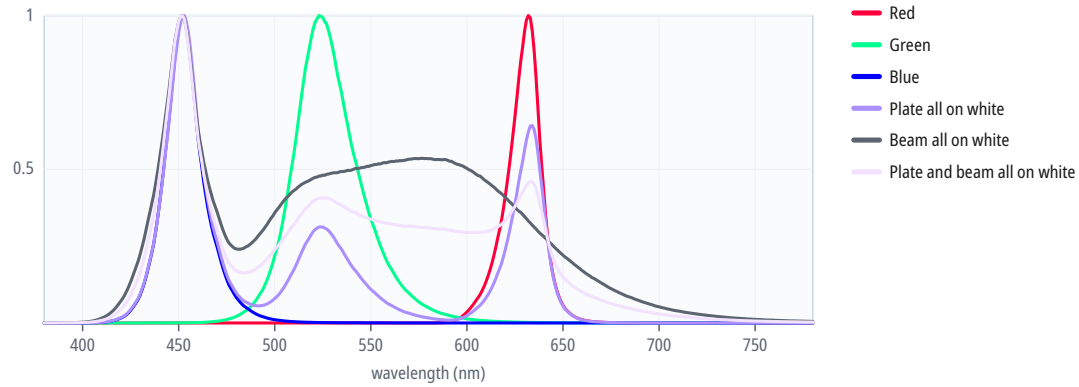
LED colors and the colors they mix



LED	x	y	nm
Red	0.698	0.302	624
Green	0.194	0.726	532
Blue	0.150	0.060	457
Plate all on white	0.250	0.198	
Beam all on white	0.325	0.335	
Plate and beam all on white	0.305	0.299	

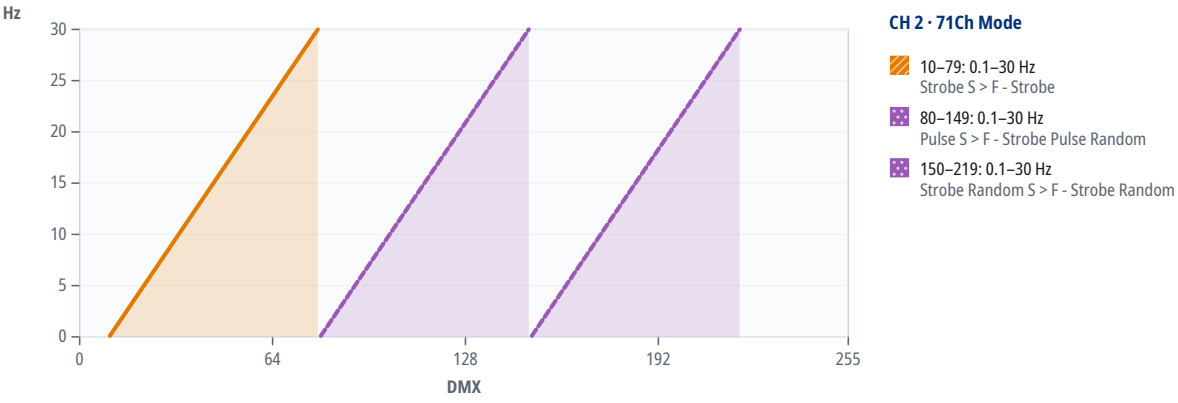
The shaded area holds the colors the LEDs can mix; the dots are the LED colors the GDTF file states.

Spectra of the light sources

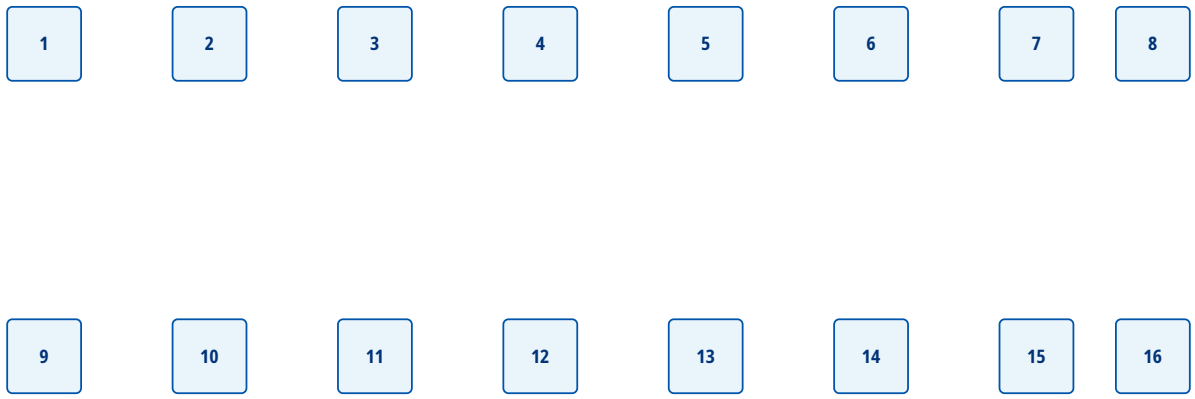


Relative spectrum of each light source as the GDTF file states it; each curve is scaled to its own maximum.

Strobe rate



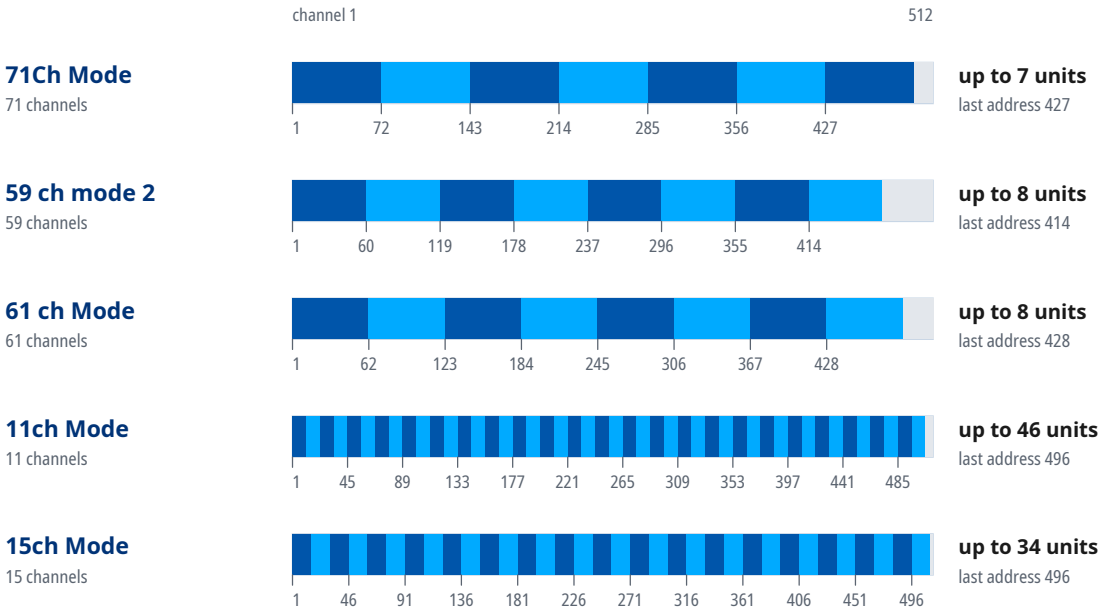
Cells (pixels)



16 cells where the GDTF file places them (seen from above), numbered in the file's order; the mode “71Ch Mode” drives them together.

9 DMX channels

Units in one DMX universe



Start addresses of 20 units in the mode “71Ch Mode”

Unit	Start address	Unit	Start address	Unit	Start address	Unit	Start address
1	1	6	356	11	U2 · 214	16	U3 · 72
2	72	7	427	12	U2 · 285	17	U3 · 143
3	143	8	U2 · 1	13	U2 · 356	18	U3 · 214
4	214	9	U2 · 72	14	U2 · 427	19	U3 · 285
5	285	10	U2 · 143	15	U3 · 1	20	U3 · 356

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

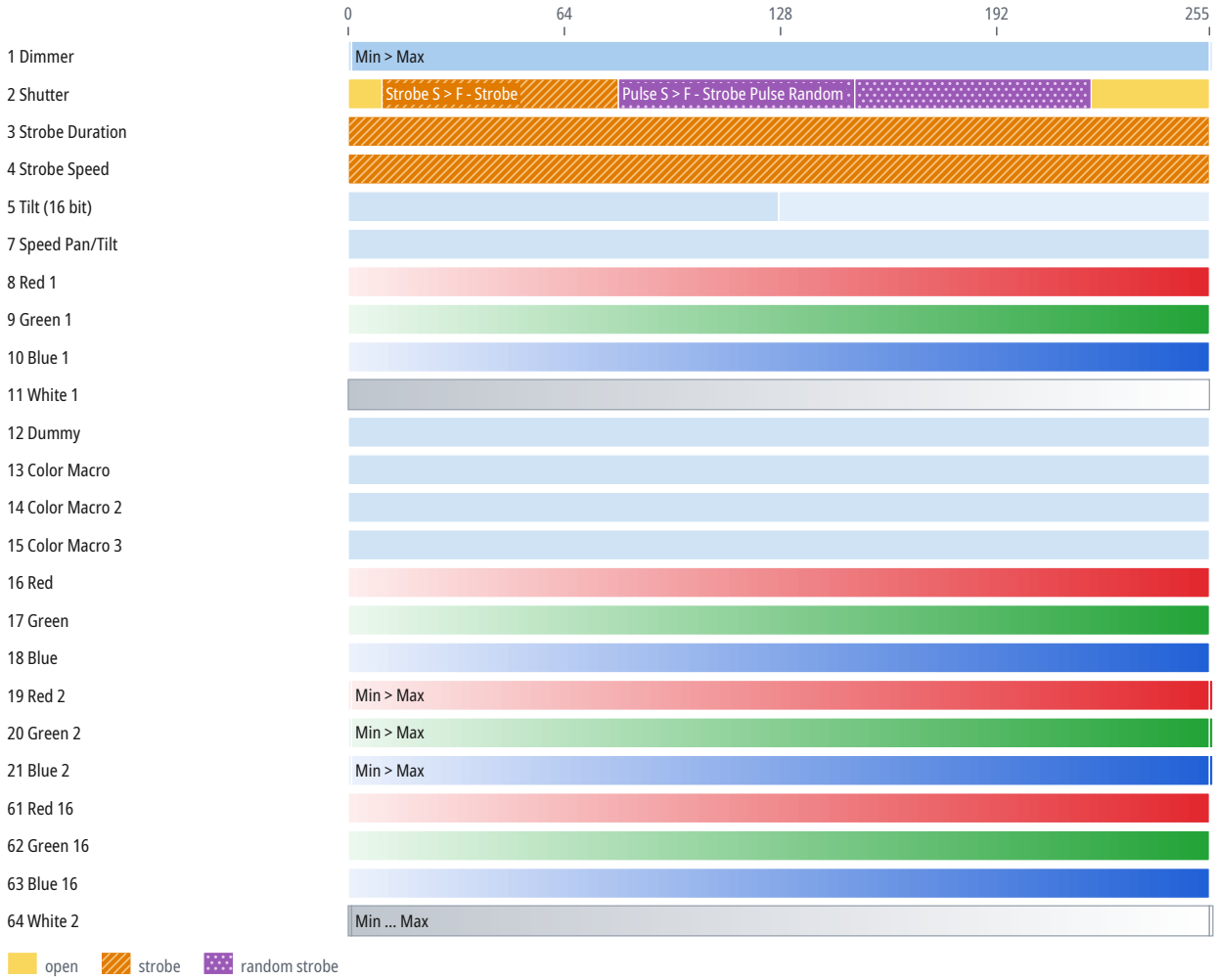
Mode	Channels	RDM personality
71Ch Mode	71	7
59 ch mode 2	59	7
61 ch Mode	61	–
11ch Mode	11	–
15ch Mode	15	–

Mode 71Ch Mode

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 2 Shutter at 0–9 or 220–255. The GDTF file gives these values for a console's Highlight function: CH 64 White 100 (the same in each of the 8 cells).

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer	0	Min
		1–254	Min > Max
		255	Max

CH	Function	DMX	Description
2	Shutter	0–9	STROBE: Shutter Open - Shutter Open
		10–79	Strobe S > F - Strobe (0.1–30 Hz)
		80–149	Pulse S > F - Strobe Pulse Random (0.1–30 Hz)
		150–219	Strobe Random S > F - Strobe Random (0.1–30 Hz)
		220–255	STROBE: Shutter Open - Shutter Open
3	Strobe Duration	0–255	
4	Strobe Speed	0–255	
5	Tilt	0–127	TILT
		127	Home
		128–255	TILT
6	Tilt Fine	0–255	Fine adjustment of CH 5
7	Speed Pan/Tilt	0–255	
8	Red 1	0–255	
9	Green 1	0–255	
10	Blue 1	0–255	
11	White 1	0–255	
12	Dummy	0–255	
13	Color Macro	0–255	
14	Color Macro 2	0–255	
15	Color Macro 3	0–255	
16	Red	0–255	
17	Green	0–255	
18	Blue	0–255	
19	Red 2		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
20	Green 2		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
21	Blue 2		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
61	Red 16	0–255	
62	Green 16	0–255	
63	Blue 16	0–255	
64	White 2		BEAM WHITE
		0	Min
		1–254	Min ... Max
		255	Max

CH 19–60: 14 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 19–21); the table below gives each cell's channel numbers.

Cell	Red	Green	Blue	Cell	Red	Green	Blue	Cell	Red	Green	Blue
1	19	20	21	2	22	23	24	3	25	26	27
4	28	29	30	5	31	32	33	6	34	35	36
7	37	38	39	8	40	41	42	9	43	44	45
10	46	47	48	11	49	50	51	12	52	53	54
13	55	56	57	14	58	59	60				

CH 64–71: 8 cells of 1 channel each. Every cell works as cell 1 in the table above (CH 64); the table below gives each cell's channel numbers.

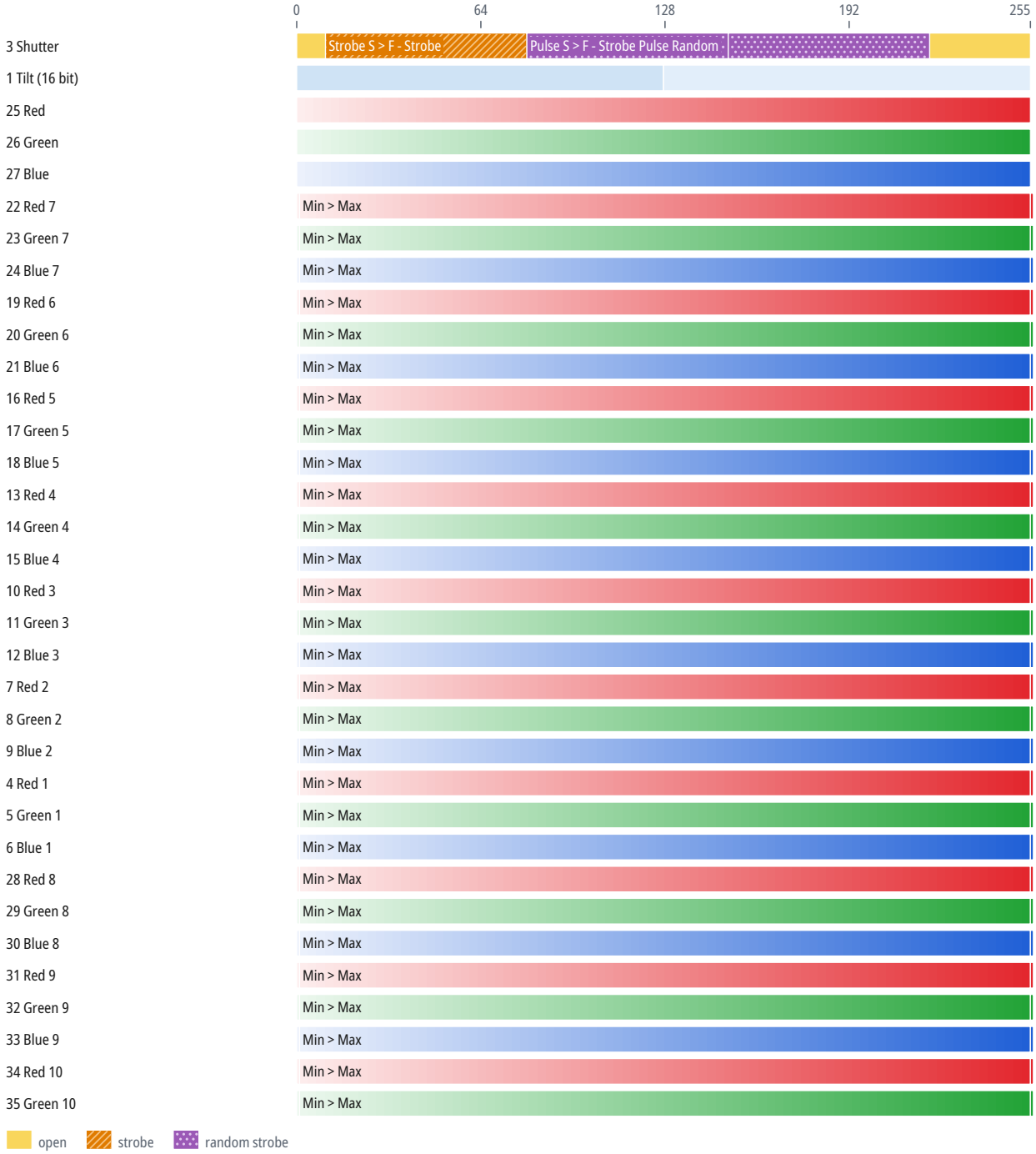
Cell	White	Cell	White	Cell	White	Cell	White	Cell	White	Cell	White
1	64	2	65	3	66	4	67	5	68	6	69
7	70	8	71								

Mode 59 ch mode 2

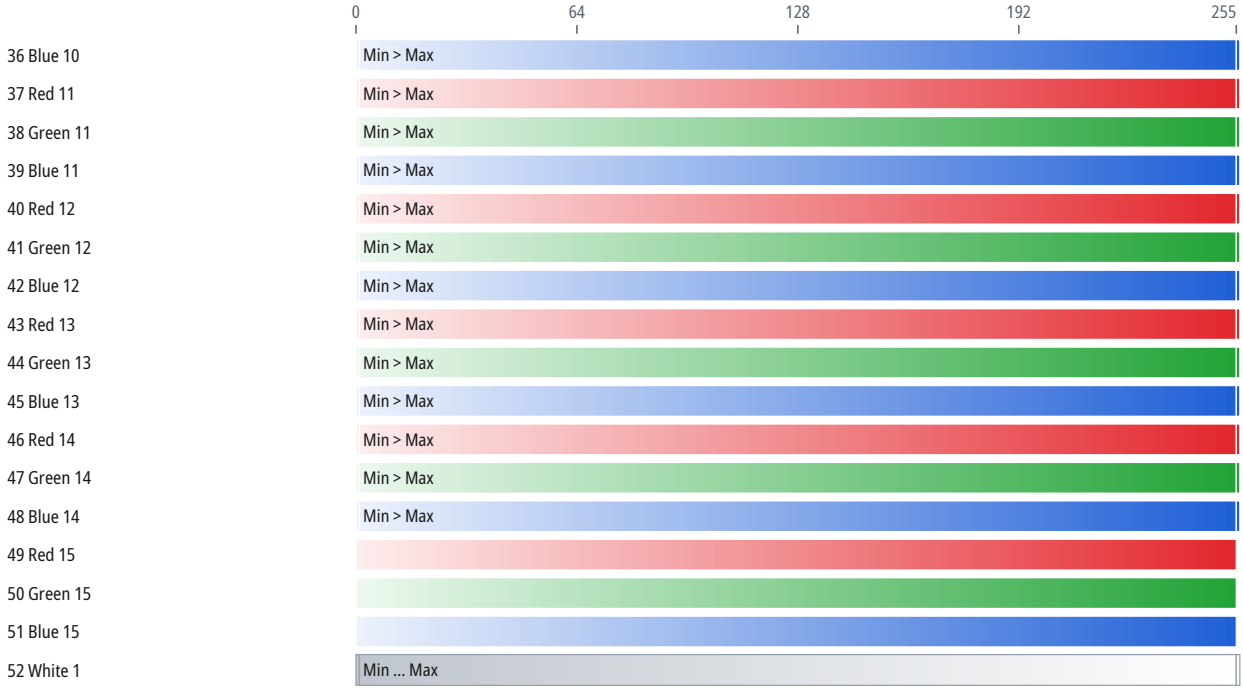
16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

If the device receives DMX in this mode but gives no light, check these channels: CH 3 Shutter at 0–9 or 220–255. The GDTF file gives these values for a console's Highlight function: CH 52 White 100 (the same in each of the 8 cells).

Channel functions at a glance



Channel functions at a glance



CH	Function	DMX	Description
1	Tilt		Same as CH 5 in the mode “71Ch Mode” (p. 11)
2	Tilt Fine	0–255	Fine adjustment of CH 1
3	Shutter		Same as CH 2 in the mode “71Ch Mode” (p. 11)
4	Red 1		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
5	Green 1		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
6	Blue 1		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
7	Red 2		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
8	Green 2		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max

CH	Function	DMX	Description
9	Blue 2		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
10	Red 3		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
11	Green 3		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
12	Blue 3		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
13	Red 4		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
14	Green 4		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
15	Blue 4		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
16	Red 5		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
17	Green 5		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
18	Blue 5		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
19	Red 6		PLATE RED
		0	Min

CH	Function	DMX	Description
19	Red 6 (continued)	1–254	Min > Max
		255	Max
20	Green 6		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
21	Blue 6		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
22	Red 7		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
23	Green 7		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
24	Blue 7		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
25	Red	0–255	
26	Green	0–255	
27	Blue	0–255	
28	Red 8		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
29	Green 8		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
30	Blue 8		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
31	Red 9		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
32	Green 9		PLATE GREEN

CH	Function	DMX	Description
32	Green 9 (continued)	0	Min
		1–254	Min > Max
		255	Max
33	Blue 9		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
34	Red 10		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
35	Green 10		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
36	Blue 10		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
37	Red 11		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
38	Green 11		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
39	Blue 11		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
40	Red 12		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
41	Green 12		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
42	Blue 12		PLATE BLUE
		0	Min
		1–254	Min > Max

CH	Function	DMX	Description
42	Blue 12 (continued)	255	Max
43	Red 13		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
44	Green 13		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
45	Blue 13		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
46	Red 14		PLATE RED
		0	Min
		1–254	Min > Max
		255	Max
47	Green 14		PLATE GREEN
		0	Min
		1–254	Min > Max
		255	Max
48	Blue 14		PLATE BLUE
		0	Min
		1–254	Min > Max
		255	Max
49	Red 15	0–255	
50	Green 15	0–255	
51	Blue 15	0–255	
52	White 1		BEAM WHITE
		0	Min
		1–254	Min ... Max
		255	Max

CH 52–59: 8 cells of 1 channel each. Every cell works as cell 1 in the table above (CH 52); the table below gives each cell's channel numbers.

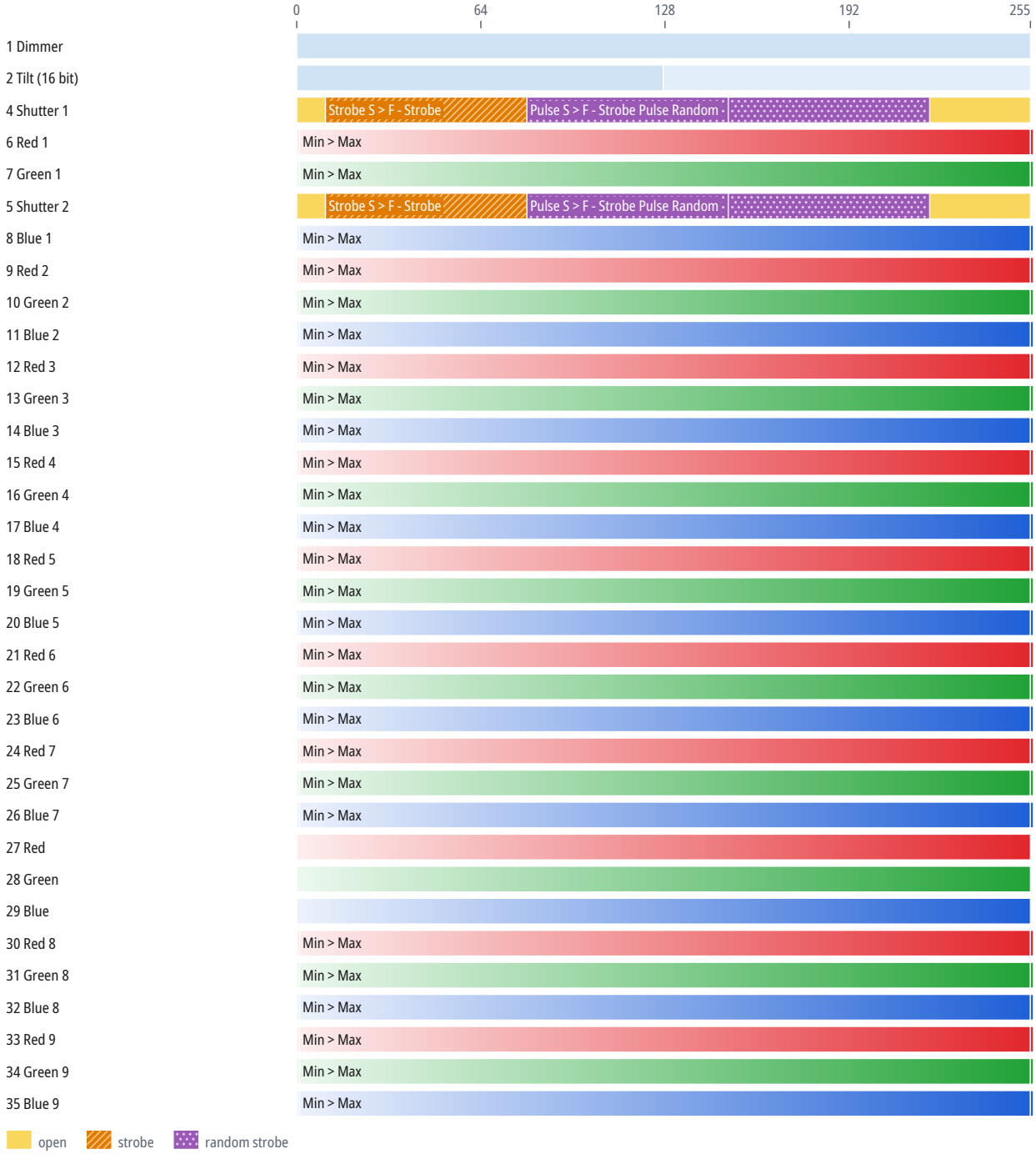
Cell	White	Cell	White	Cell	White	Cell	White	Cell	White	Cell	White
1	52	2	53	3	54	4	55	5	56	6	57
7	58	8	59								

Mode 61 ch Mode

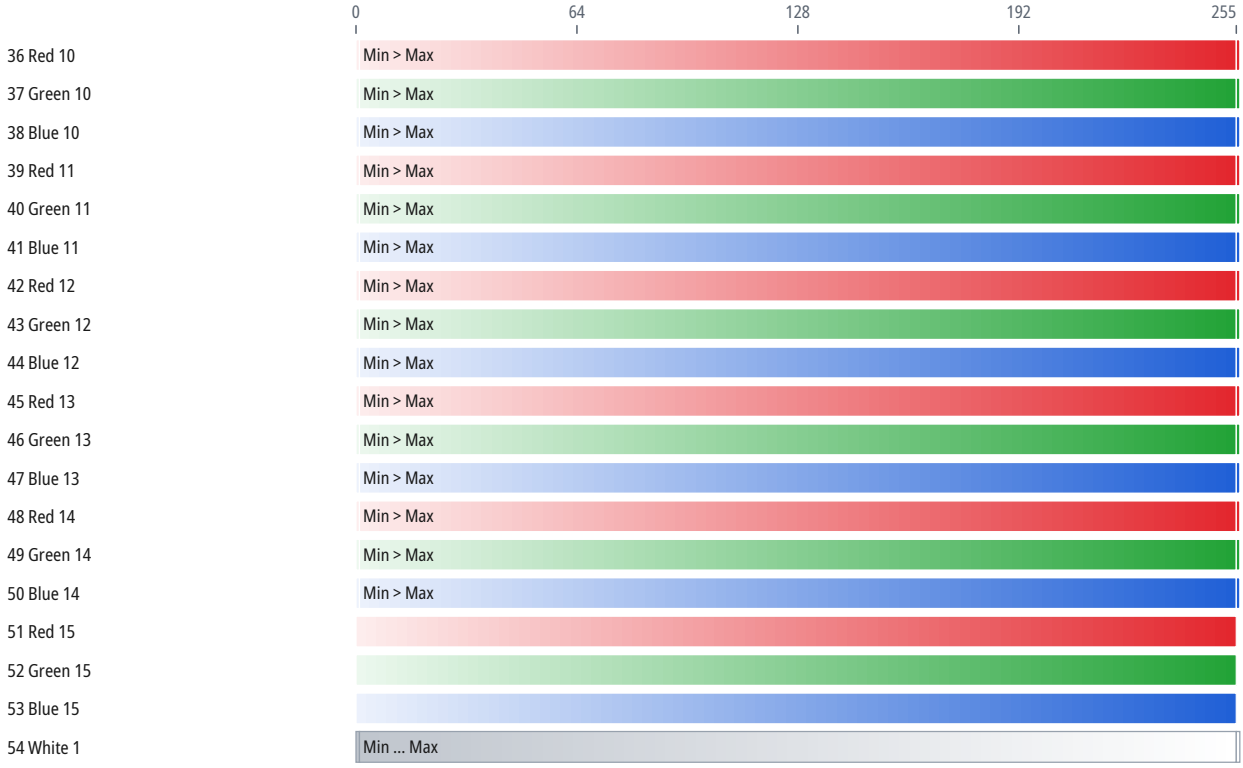
16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 4 Shutter 1 at 0–9 or 220–255; CH 5 Shutter 2 at 0–9 or 220–255. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 54 White 100 (the same in each of the 8 cells).

Channel functions at a glance



Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer	0–255	
2	Tilt		Same as CH 5 in the mode “71Ch Mode” (p. 11)
3	Tilt Fine	0–255	Fine adjustment of CH 2
4	Shutter 1	0–9	STROBE: Shutter Open - Shutter Open
		10–79	Strobe S > F - Strobe (0.1–30 Hz)
		80–149	Pulse S > F - Strobe Pulse Random (0.1–30 Hz)
		150–219	Strobe Random S > F - Strobe Random (0.1–30 Hz)
		220–255	STROBE: Shutter Open - Shutter Open
5	Shutter 2	0–9	STROBE: Shutter Open - Shutter Open
		10–79	Strobe S > F - Strobe (0.1–30 Hz)
		80–149	Pulse S > F - Strobe Pulse Random (0.1–30 Hz)
		150–219	Strobe Random S > F - Strobe Random (0.1–30 Hz)
		220–255	STROBE: Shutter Open - Shutter Open
6	Red 1		Same as CH 4 in the mode “59 ch mode 2” (p. 14)
7	Green 1		Same as CH 5 in the mode “59 ch mode 2” (p. 14)
8	Blue 1		Same as CH 6 in the mode “59 ch mode 2” (p. 14)
9	Red 2		Same as CH 7 in the mode “59 ch mode 2” (p. 14)
10	Green 2		Same as CH 8 in the mode “59 ch mode 2” (p. 14)
11	Blue 2		Same as CH 9 in the mode “59 ch mode 2” (p. 15)
12	Red 3		Same as CH 10 in the mode “59 ch mode 2” (p. 15)
13	Green 3		Same as CH 11 in the mode “59 ch mode 2” (p. 15)

CH	Function	DMX	Description
14	Blue 3		Same as CH 12 in the mode “59 ch mode 2” (p. 15)
15	Red 4		Same as CH 13 in the mode “59 ch mode 2” (p. 15)
16	Green 4		Same as CH 14 in the mode “59 ch mode 2” (p. 15)
17	Blue 4		Same as CH 15 in the mode “59 ch mode 2” (p. 15)
18	Red 5		Same as CH 16 in the mode “59 ch mode 2” (p. 15)
19	Green 5		Same as CH 17 in the mode “59 ch mode 2” (p. 15)
20	Blue 5		Same as CH 18 in the mode “59 ch mode 2” (p. 15)
21	Red 6		Same as CH 19 in the mode “59 ch mode 2” (p. 15)
22	Green 6		Same as CH 20 in the mode “59 ch mode 2” (p. 16)
23	Blue 6		Same as CH 21 in the mode “59 ch mode 2” (p. 16)
24	Red 7		Same as CH 22 in the mode “59 ch mode 2” (p. 16)
25	Green 7		Same as CH 23 in the mode “59 ch mode 2” (p. 16)
26	Blue 7		Same as CH 24 in the mode “59 ch mode 2” (p. 16)
27	Red	0–255	
28	Green	0–255	
29	Blue	0–255	
30	Red 8		Same as CH 28 in the mode “59 ch mode 2” (p. 16)
31	Green 8		Same as CH 29 in the mode “59 ch mode 2” (p. 16)
32	Blue 8		Same as CH 30 in the mode “59 ch mode 2” (p. 16)
33	Red 9		Same as CH 31 in the mode “59 ch mode 2” (p. 16)
34	Green 9		Same as CH 32 in the mode “59 ch mode 2” (p. 16)
35	Blue 9		Same as CH 33 in the mode “59 ch mode 2” (p. 17)
36	Red 10		Same as CH 34 in the mode “59 ch mode 2” (p. 17)
37	Green 10		Same as CH 35 in the mode “59 ch mode 2” (p. 17)
38	Blue 10		Same as CH 36 in the mode “59 ch mode 2” (p. 17)
39	Red 11		Same as CH 37 in the mode “59 ch mode 2” (p. 17)
40	Green 11		Same as CH 38 in the mode “59 ch mode 2” (p. 17)
41	Blue 11		Same as CH 39 in the mode “59 ch mode 2” (p. 17)
42	Red 12		Same as CH 40 in the mode “59 ch mode 2” (p. 17)
43	Green 12		Same as CH 41 in the mode “59 ch mode 2” (p. 17)
44	Blue 12		Same as CH 42 in the mode “59 ch mode 2” (p. 17)
45	Red 13		Same as CH 43 in the mode “59 ch mode 2” (p. 18)
46	Green 13		Same as CH 44 in the mode “59 ch mode 2” (p. 18)
47	Blue 13		Same as CH 45 in the mode “59 ch mode 2” (p. 18)
48	Red 14		Same as CH 46 in the mode “59 ch mode 2” (p. 18)
49	Green 14		Same as CH 47 in the mode “59 ch mode 2” (p. 18)
50	Blue 14		Same as CH 48 in the mode “59 ch mode 2” (p. 18)
51	Red 15	0–255	
52	Green 15	0–255	
53	Blue 15	0–255	
54	White 1		BEAM WHITE

CH	Function	DMX	Description
54	White 1 (continued)	0	Min
		1–254	Min … Max
		255	Max

CH 54–61: 8 cells of 1 channel each. Every cell works as cell 1 in the table above (CH 54); the table below gives each cell's channel numbers.

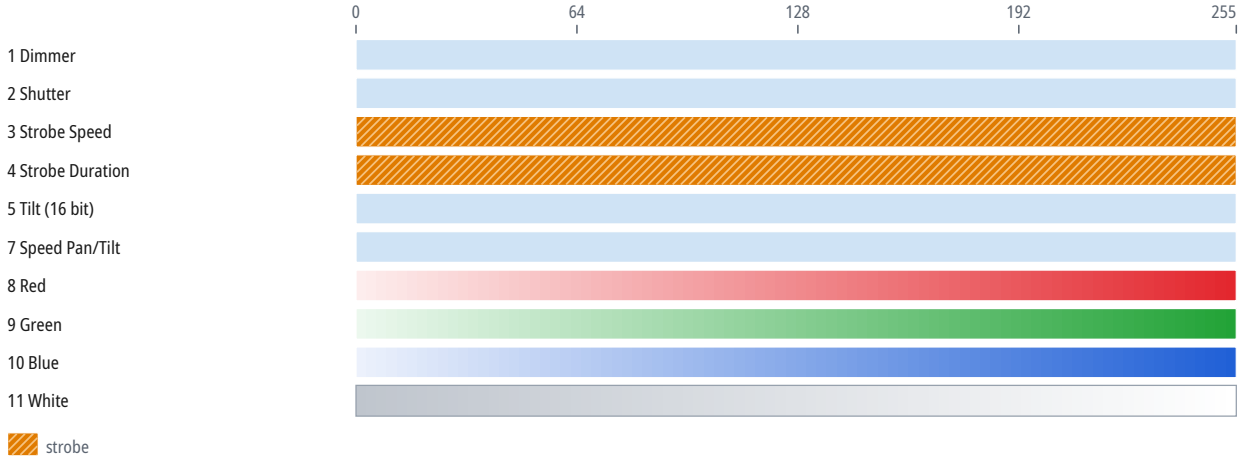
Cell	White	Cell	White	Cell	White	Cell	White	Cell	White	Cell	White
1	54	2	55	3	56	4	57	5	58	6	59
7	60	8	61								

Mode 11ch Mode

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 1 Dimmer above 0.

Channel functions at a glance



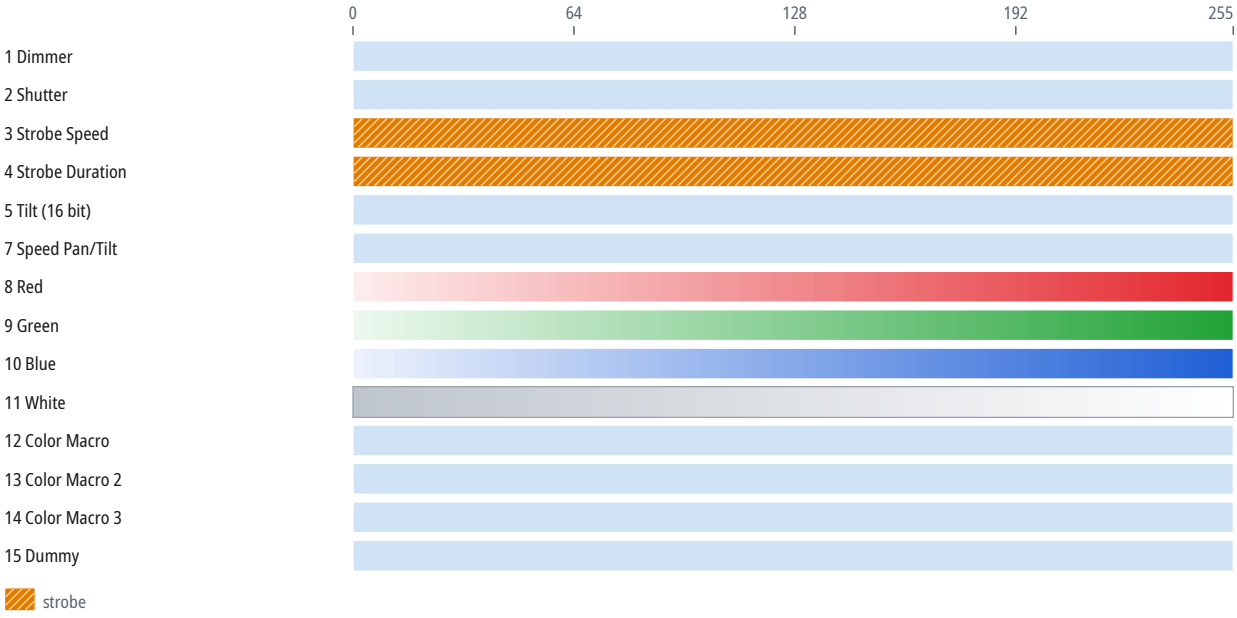
CH	Function	DMX	Description
1	Dimmer	0–255	
2	Shutter	0–255	
3	Strobe Speed	0–255	
4	Strobe Duration	0–255	
5	Tilt	0–255	
6	Tilt Fine	0–255	Fine adjustment of CH 5
7	Speed Pan/Tilt	0–255	
8	Red	0–255	
9	Green	0–255	
10	Blue	0–255	
11	White	0–255	

Mode 15ch Mode

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 1 Dimmer above 0.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer	0–255	
2	Shutter	0–255	
3	Strobe Speed	0–255	
4	Strobe Duration	0–255	
5	Tilt	0–255	
6	Tilt Fine	0–255	Fine adjustment of CH 5
7	Speed Pan/Tilt	0–255	
8	Red	0–255	
9	Green	0–255	

CH	Function	DMX	Description
10	Blue	0–255	
11	White	0–255	
12	Color Macro	0–255	
13	Color Macro 2	0–255	
14	Color Macro 3	0–255	
15	Dummy	0–255	

10 Technical specifications

Parameter	Value
Light source	LED
Tilt	180°
RDM	yes (manufacturer ID 0x21A4, device model ID 0x0707)
Weight	14 kg
Operating temperature	-20 to 45 °C

Speeds and ranges

Parameter	Value
Strobe frequency	0.1–30 Hz

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.

Problem	Remedy
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.