DMX REFERENCE

P150 Studio Strobe

LumiPro

Manufacturer	LumiPro
GDTF file	LumiPro_P150_Studio_Strobe_169805.gdtf
GDTF revision	fix 11 and 12ch · 2026-11-18
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1 About this manual

This document describes the P150 Studio Strobe by LumiPro. It was compiled from the GDTF file LumiPro_P150_Studio_Strobe_169805.gdtf from the GDTF-Share library.

File revision: “fix 11 and 12ch”.

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 LumiPro; 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	3.9 kg

DMX modes

Mode	Channels	Units in one universe	First start addresses
1CH Mode	1	512	1, 2, 3, 4, ...
2CH Mode	2	256	1, 3, 5, 7, ...
4CH Mode	4	128	1, 5, 9, 13, ...
11CH Mode	11	46	1, 12, 23, 34, ...
12CH Mode	12	42	1, 13, 25, 37, ...

No light? Check these channels

- 1CH Mode: CH 1 Dimmer above 0
- 2CH Mode: CH 1 Dimmer above 0
- 11CH Mode: CH 1 Dimmer above 0; CH 7 Strobe at 0–9 “No Function”
- 12CH Mode: CH 1 Dimmer above 0; CH 8 Strobe at 0–9 “No Function”


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

- This device produces very intense flashes of light.
- Flash rates of about 3 to 30 flashes per second carry the highest risk for people with photosensitive epilepsy.
- Do not aim the device into the eyes of the audience or performers at close range.
- At public events, always give clear advance notice that strobe effects will be used.

4 Installation

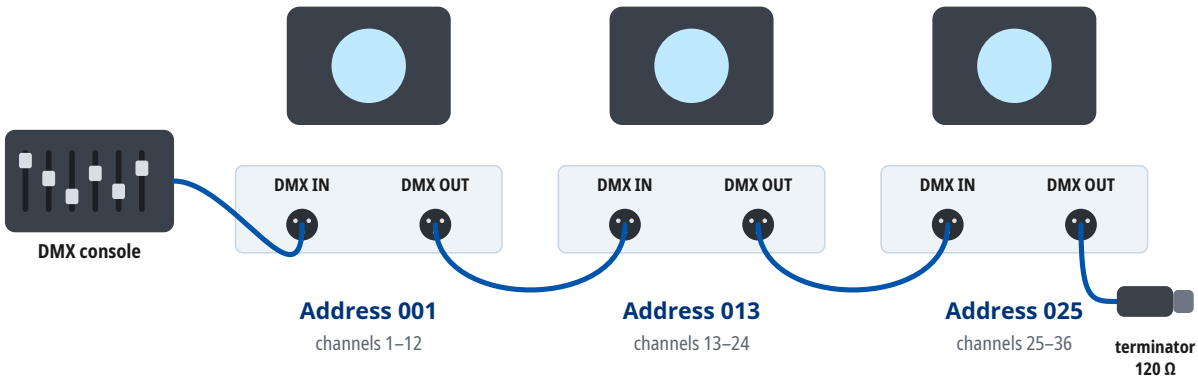
⚠ WARNING

- 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.
- Weight of the device: 3.9 kg.
- Use suitable mounting hardware (for example truss clamps) and tighten all screw connections properly.
- Always secure the suspended device against falling with a safety cable of adequate load capacity, routed through a fixed point of the device and around the supporting structure.
- During installation and removal, keep people out of the area below the work position.
- Regularly inspect the fixings and the safety cable for damage, corrosion and loosening.

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 12CH Mode: every unit occupies 12 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

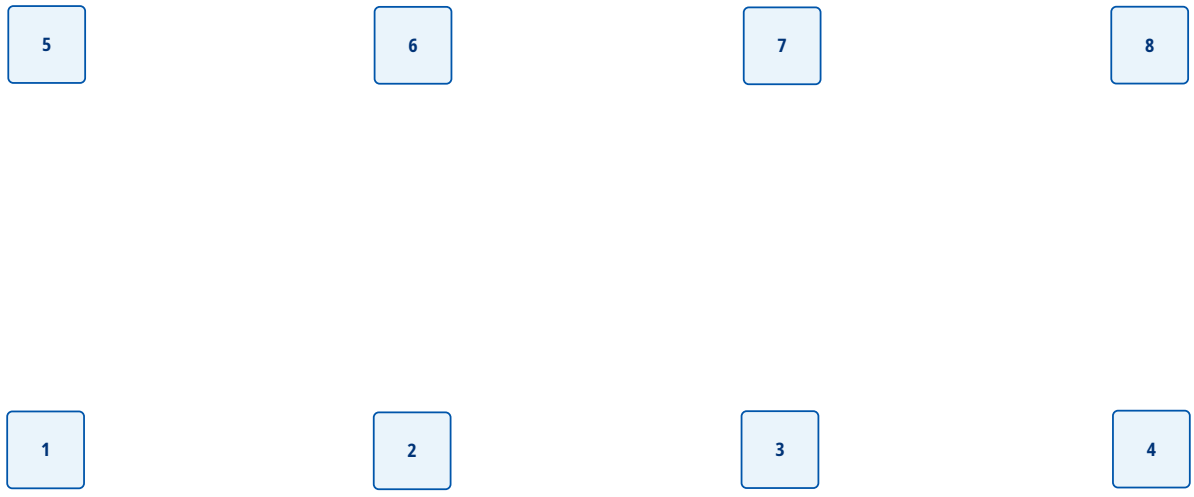
- The device occupies as many consecutive channels in the DMX universe as the selected DMX mode uses, starting at the set start address.
- Number of channels occupied in the DMX mode “12CH Mode”: 12.
- Choose start addresses so that the channels of individual devices do not overlap and the last occupied 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 “12CH Mode”, you can use, for example, the start addresses 1, 13, 25, 37.
- 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

	1CH Mode 1 channel	2CH Mode 2 channels	4CH Mode 4 channels	11CH Mode 11 channels	12CH Mode 12 channels
Dimmer	1	1	✓	1	1
Color mixing			1–4	2–5	2–7
Color temperature		2		6, 9	10
Effects / macros				8	9

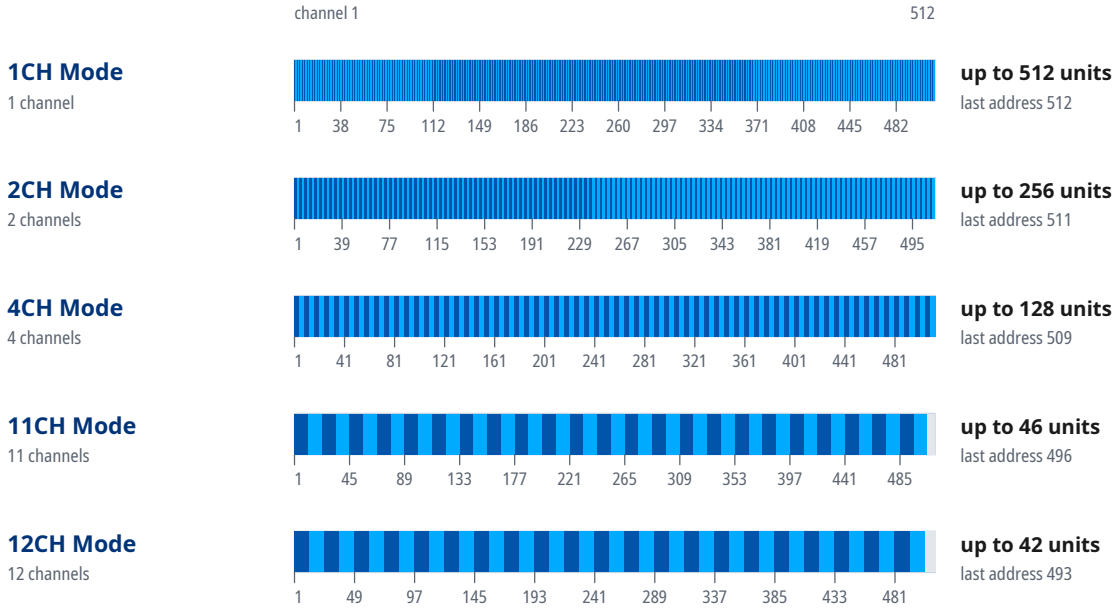
Cells (pixels)



8 cells where the GDTF file places them (seen from above), numbered in the file's order; the mode “12CH Mode” drives them together.

8 DMX channels

Units in one DMX universe



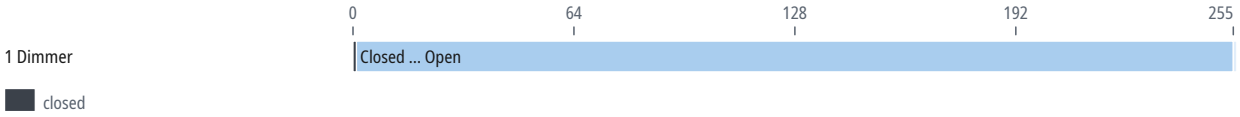
Start addresses of 20 units in the mode “12CH Mode”

Unit	Start address	Unit	Start address	Unit	Start address	Unit	Start address
1	1	6	61	11	121	16	181
2	13	7	73	12	133	17	193
3	25	8	85	13	145	18	205
4	37	9	97	14	157	19	217
5	49	10	109	15	169	20	229

Mode 1CH Mode

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

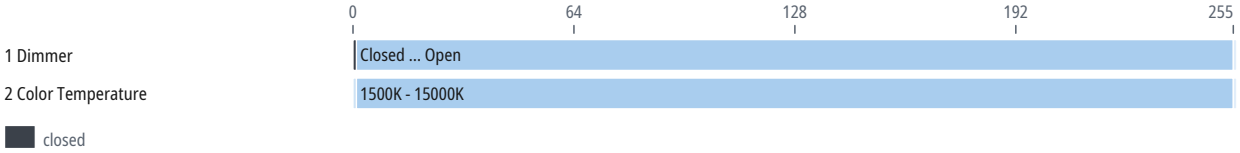


CH	Function	DMX	Description
1	Dimmer	0	Closed
		1–254	Closed ... Open
		255	Open

Mode 2CH Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0.

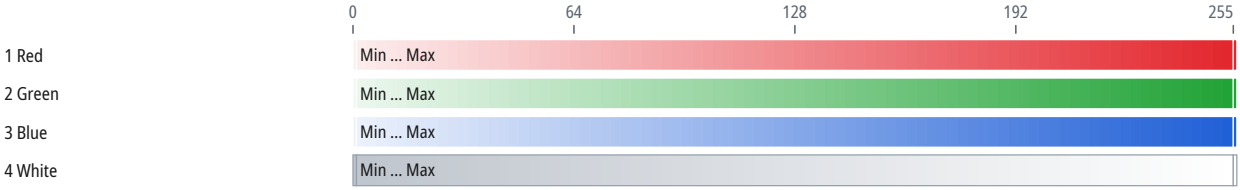
Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “1CH Mode” (p. 7)
2	Color Temperature	0	1500K
		1–254	1500K - 15000K
		255	15000K

Mode 4CH Mode

Channel functions at a glance

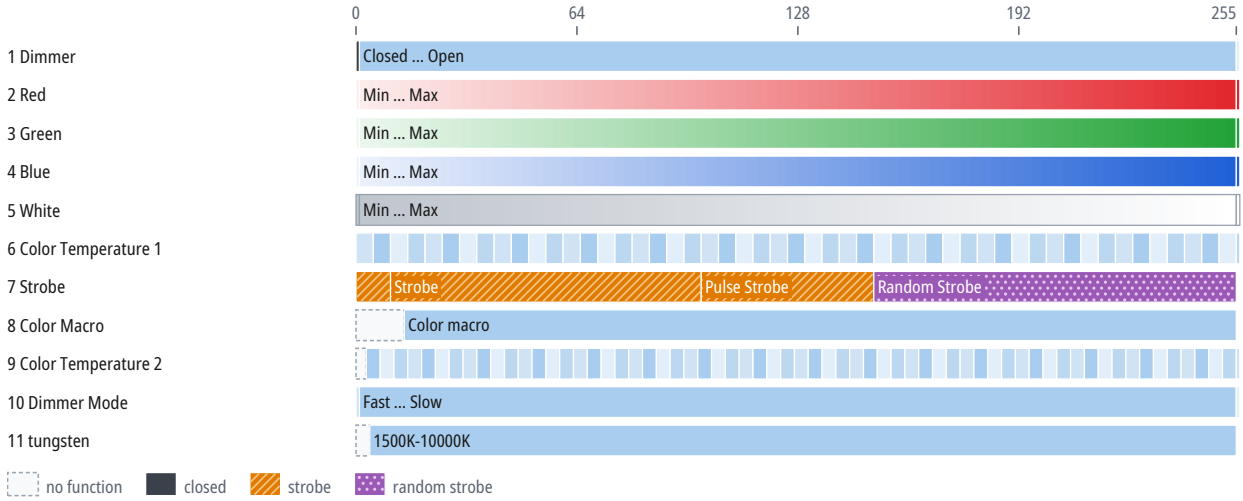


CH	Function	DMX	Description
1	Red	0	Min
		1–254	Min ... Max
		255	Max
2	Green	0	Min
		1–254	Min ... Max
		255	Max
3	Blue	0	Min
		1–254	Min ... Max
		255	Max
4	White	0	Min
		1–254	Min ... Max
		255	Max

Mode 11CH Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 7 Strobe at 0–9 “No Function”.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “1CH Mode” (p. 7)
2	Red		Same as CH 1 in the mode “4CH Mode” (p. 8)
3	Green		Same as CH 2 in the mode “4CH Mode” (p. 8)
4	Blue		Same as CH 3 in the mode “4CH Mode” (p. 8)
5	White		Same as CH 4 in the mode “4CH Mode” (p. 8)
6	Color Temperature 1	0–4	1500K
		5–9	1600K
		10–14	1700K
		15–19	1800K
		20–24	1900K
		25–29	2000K
		30–34	2100K
		35–39	2200K
		40–44	2300K
		45–49	2400K
		50–54	2500K
		55–59	2600K
		60–64	2700K
		65–69	2800K
		70–74	2900K
		75–79	3000K
		80–84	3100K
		85–89	3200K
		90–94	3300K

CH	Function	DMX	Description
6	Color Temperature 1 (continued)	95–99	3400K
		100–104	3500K
		105–109	3600K
		110–114	3700K
		115–119	3800K
		120–124	3900K
		125–129	4000K
		130–134	4100K
		135–139	4200K
		140–144	4300K
		145–149	4400K
		150–154	4500K
		155–159	4600K
		160–164	4700K
		165–169	4800K
		170–174	4900K
		175–179	5000K
		180–184	5100K
		185–189	5200K
		190–194	5300K
		195–199	5400K
		200–204	5500K
		205–209	5600K
		210–214	5700K
		215–219	5800K
		220–224	5900K
		225–229	6000K
		230–234	6100K
		235–239	6200K
		240–244	6300K
		245–249	6400K
		250–254	6500K
		255	6600K
7	Strobe		Strobe 1
		0–9	No Function
		10–99	Strobe
		100–149	Pulse Strobe
		150–255	Random Strobe
8	Color Macro		Color 1 1
		0–13	No Function
		14–255	Color macro
9	Color Temperature 2	0–2	No function

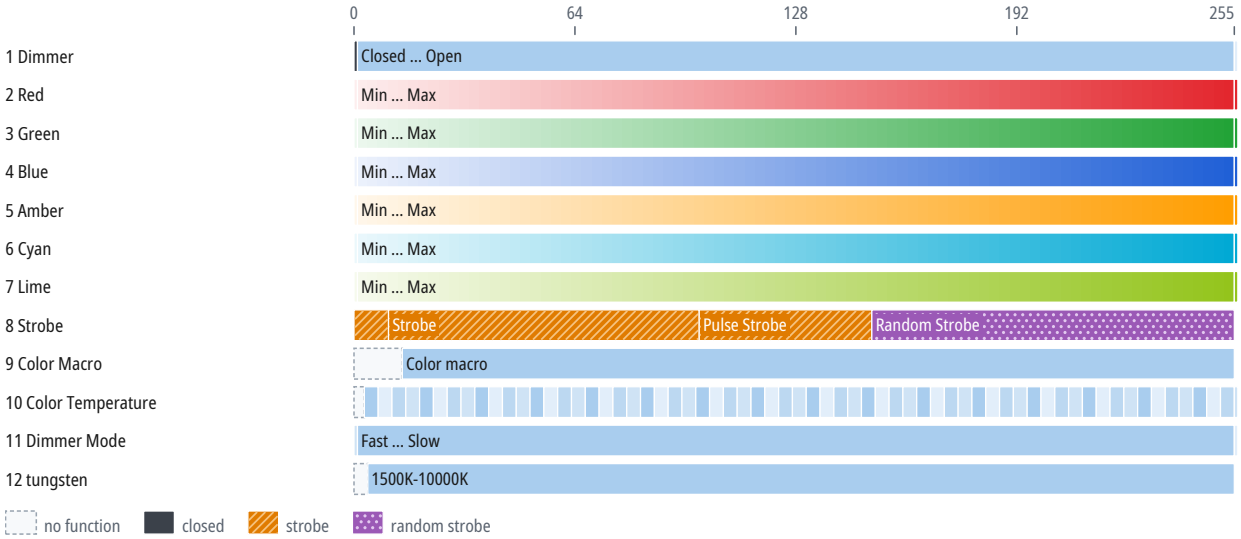
CH	Function	DMX	Description
9	Color Temperature 2 (continued)	3–6	1500K
		7–10	1600K
		11–14	1700K
		15–18	1800K
		19–22	1900K
		23–26	2000K
		27–30	2100K
		31–34	2200K
		35–38	2300K
		39–42	2400K
		43–46	2500K
		47–50	2600K
		51–54	2700K
		55–58	2800K
		59–62	2900K
		63–66	3000K
		67–70	3100K
		71–74	3200K
		75–78	3300K
		79–82	3400K
		83–86	3500K
		87–90	3600K
		91–94	3700K
		95–98	3800K
		99–102	3900K
		103–106	4000K
		107–110	4100K
		111–114	4200K
		115–118	4300K
		119–122	4400K
		123–126	4500K
		127–130	4600K
		131–134	4700K
		135–138	4800K
		139–142	4900K
		143–146	5000K
		147–150	5100K
		151–154	5200K
		155–158	5300K
		159–162	5400K
		163–166	5500K
		167–170	5600K

CH	Function	DMX	Description
9	Color Temperature 2 (continued)	171–174	5700K
		175–178	5800K
		179–182	5900K
		183–186	6000K
		187–190	6100K
		191–194	6200K
		195–198	6300K
		199–202	6400K
		203–206	6500K
		207–210	7000K
		211–214	7500K
		215–218	8000K
		219–222	8500K
		223–226	9000K
		227–230	10000K
		231–234	11000K
		235–238	12000K
		239–242	13000K
		243–246	14000K
		247–250	15000K
		251–254	16000K
		255	17000K
10	Dimmer Mode	0	Fast
		1–254	Fast ... Slow
		255	Slow
11	tungsten	0–3	No function
		4–255	1500K-10000K

Mode 12CH Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 8 Strobe at 0–9 “No Function”.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “1CH Mode” (p. 7)
2	Red		Same as CH 1 in the mode “4CH Mode” (p. 8)
3	Green		Same as CH 2 in the mode “4CH Mode” (p. 8)
4	Blue		Same as CH 3 in the mode “4CH Mode” (p. 8)
5	Amber	0	Min
		1–254	Min ... Max
		255	Max
6	Cyan	0	Min
		1–254	Min ... Max
		255	Max
7	Lime	0	Min
		1–254	Min ... Max
		255	Max
8	Strobe		Same as CH 7 in the mode “11CH Mode” (p. 10)
9	Color Macro		Same as CH 8 in the mode “11CH Mode” (p. 10)
10	Color Temperature	0–2	No function
		3–6	1500K
		7–10	1600K
		11–14	1700K
		15–18	1800K
		19–22	1900K
		23–26	2000K
		27–30	2100K

CH	Function	DMX	Description
10	Color Temperature (continued)	31–34	2200K
		35–38	2300K
		39–42	2400K
		43–46	2500K
		47–50	2600K
		51–54	2700K
		55–58	2800K
		59–62	2900K
		63–66	3000K
		67–70	3100K
		71–74	3200K
		75–78	3300K
		79–82	3400K
		83–86	3500K
		87–90	3600K
		91–94	3700K
		95–98	3800K
		99–102	3900K
		103–106	4000K
		107–110	4100K
		111–114	4200K
		115–118	4300K
		119–122	4400K
		123–126	4500K
		127–130	4600K
		131–134	4700K
		135–138	4800K
		139–142	4900K
		143–146	5000K
		147–150	5100K
		151–154	5200K
		155–158	5300K
		159–162	5400K
		163–166	5500K
		167–170	5600K
		171–174	5700K
		175–178	5800K
		179–182	5900K
		183–186	6000K
		187–190	6100K
		191–194	6200K
		195–198	6300K

CH	Function	DMX	Description
10	Color Temperature (continued)	199–202	6400K
		203–206	6500K
		207–210	7000K
		211–214	7500K
		215–218	8000K
		219–222	8500K
		223–226	9000K
		227–230	10000K
		231–234	11000K
		235–238	12000K
		239–242	13000K
		243–246	14000K
		247–250	15000K
		251–254	16000K
		255	17000K
11	Dimmer Mode		Same as CH 10 in the mode “11CH Mode” (p. 12)
12	tungsten		Same as CH 11 in the mode “11CH Mode” (p. 12)

9 Technical specifications

Parameter	Value
Light source	LED
Weight	3.9 kg
Operating temperature	0 to 40 °C

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.