DMX REFERENCE

InteliFlex

Light Initiative

Manufacturer	Light Initiative
GDTF file	Light_Initiative_InteliFlex_58036.gdtf
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1 About this manual

This document describes the InteliFlex by Light Initiative. It was compiled from the GDTF file Light_Initiative_InteliFlex_58036.gdtf from the GDTF-Share library.

File revision: “MJH, Uploaded to GDTF Share.”.

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 Light Initiative; 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
24Ch	24	21	1, 25, 49, 73, ...
50ch	50	10	1, 51, 101, 151, ...

No light? Check these channels

- 24Ch: CH 1 Dimmer 1 above 0; CH 13 Dimmer 2 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.

4 Installation

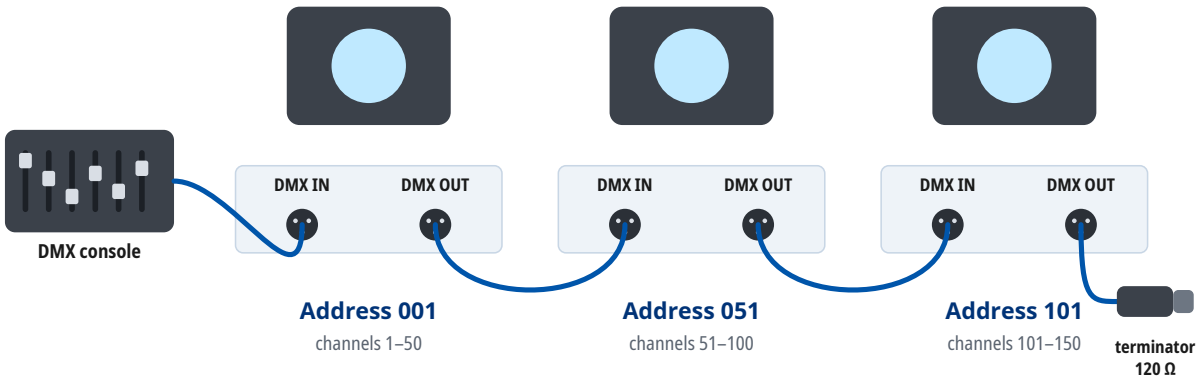
⚠ WARNING

- 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 50ch: every unit occupies 50 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 “50ch”: 50.
- 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 “50ch”, you can use, for example, the start addresses 1, 51, 101, 151.
- The DMX mode set on the device must match the fixture profile (personality) used in the controller.

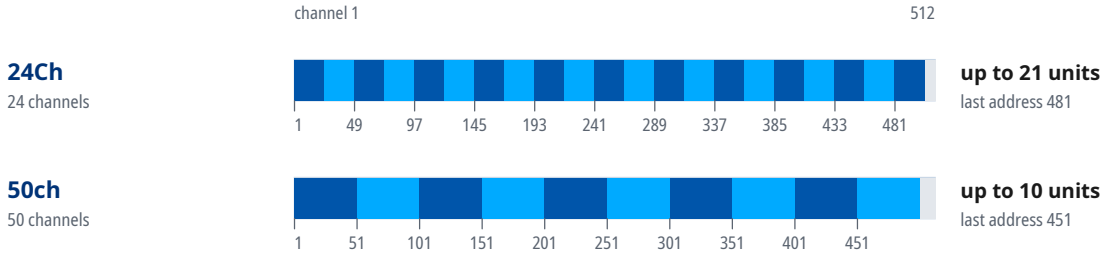
7 Functions at a glance

Functions in each DMX mode

	24Ch 24 channels	50ch 50 channels
Dimmer	1, 13	4, 26
Color mixing	2–7, 14–19	7–12, 29–34, 48–50

8 DMX channels

Units in one DMX universe



Start addresses of 20 units in the mode “50ch”

Unit	Start address	Unit	Start address	Unit	Start address	Unit	Start address
1	1	6	251	11	U2 · 1	16	U2 · 251
2	51	7	301	12	U2 · 51	17	U2 · 301
3	101	8	351	13	U2 · 101	18	U2 · 351
4	151	9	401	14	U2 · 151	19	U2 · 401
5	201	10	451	15	U2 · 201	20	U2 · 451

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 24Ch

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 13 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 2 Red 1 255, CH 3 Green 1 255, CH 4 Blue 1 255, CH 5 Red 2 255, CH 6 Green 2 255, CH 7 Blue 2 255, CH 13 Dimmer 2 255, CH 14 Red 3 255, CH 15 Green 3 255, CH 16 Blue 3 255, CH 17 Red 4 255, CH 18 Green 4 255, CH 19 Blue 4 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Red 1		Color RGB_R 1
		0–255	Color RGB_R 1
3	Green 1		Color RGB_G 1
		0–255	Color RGB_G 1
4	Blue 1		Color RGB_B 1
		0–255	Color RGB_B 1
5	Red 2		Color RGB_R 1
		0–255	Color RGB_R 1
6	Green 2		Color RGB_G 1
		0–255	Color RGB_G 1
7	Blue 2		Color RGB_B 1
		0–255	Color RGB_B 1
8	INTELLIFLEX FXSELECT 1	0	INTELLIFLEX_FXSELECT 1
		1	1 Col Pap snap - Example
		2	Pap Slow/Low

CH	Function	DMX	Description
8	INTELLIFLEX FXSELECT 1 (continued)	3	Pap Slow/Med
		4	Pap Slow/High
		5	Pap Slow/Linear
		6	Pap Med/Low
		7	Pap Med/Med
		8	Pap Med/High
		9	Pap Med/Linear
		10	Pap Fast/Low
		11	Pap Fast/Med
		12	Pap Fast/High
		13	Pap Fast/Linear
		14	1 Col Pap Fade - Example
		15	Pap Slow/Low
		16	Pap Slow/Med
		17	Pap Slow/Fast
		18	Pap Slow/Linear
		19	Pap Med/Low
		20	Pap Med/Med
		21	Pap Med/High
		22	Pap Med/Linear
		23	Pap Fast/Low
		24	Pap Fast/Med
		25	Pap Fast/High
		26	Pap Fast/Linear
		27	2 Col Pap Snap - Example
		28	2Pap Slow/Low
		29	2Pap Slow/Med
		30	2Pap Slow/High
		31	2Pap Slow/Linear
		32	2Pap Med/Low
		33	2Pap Med/Med
		34	2Pap Med/High
		35	2Pap Med/Linear
		36	2Pap Fast/Low
		37	2Pap Fast/Med
		38	2Pap Fast/High
		39	2Pap Fast/Linear
		40	2 Col Pap Fade - Example
		41	2Pap Slow/Low
		42	2Pap Slow/Med
		43	2Pap Slow/High
		44	2Pap Slow/Linear

CH	Function	DMX	Description
8	INTELLIFLEX FXSELECT 1 (continued)	45	2Pap Med/Low
		46	2Pap Med/Med
		47	2Pap Med/High
		48	2Pap Med/Linear
		49	2Pap Fast/Low
		50	2Pap Fast/Med
		51	2Pap Fast/High
		52	2Pap Fast/Linear
		53	Trace1 uni-dec example
		54	Trace1 Slow/Short
		55	Trace1 Slow/Med
		56	Trace1 Slow/Long
		57	Trace1 Med/Short
		58	Trace1 Med/Med
		59	Trace1 Med/Long
		60	Trace1 Fast/Short
		61	Trace1 Fast/Med
		62	Trace1 Fast/Long
		63	Traces1 uni-dec col-base ex
		64	Traces1 Slow/Short
		65	Traces1 Slow/Med
		66	Traces1 Slow/Long
		67	Traces1 Med/Short
		68	Traces1 Med/Med
		69	Traces1 Med/Long
		70	Traces1 Fast/Short
		71	Traces1 Fast/Med
		72	Traces1 Fase/Long
		73	Traces2 Uni-Col Example
		74	Traces2 Slow/Short
		75	Traces2 Slow/Med
		76	Traces2 Slow/Long
		77	Traces2 Med/Short
		78	Traces2 Med/Med
		79	Traces2 Med/Long
		80	Traces2 Fast/Short
		81	Traces2 Fast/Med
		82	Traces2 Fast/Long
		83	Traces2 uni col mix base ex
		84	Traces2 Slow/Short
		85	Traces2 Slow/Med
		86	Traces2 Slow/Long

CH	Function	DMX	Description
8	INTELLIFLEX FXSELECT 1 (continued)	87	Traces2 Med/Short
		88	Traces2 Med/Med
		89	Traces2 Med/Long
		90	Traces2 Fast/Short
		91	Traces2 Fast/Med
		92	Traces2 Fast/Long
		93	Blue Fire small
		94	small1
		95	small2
		96	small3
		97	Med
		98	Med1
		99	Med2
		100	Med3
		101	Med4
		102	Large
		103	Red Fire Small
		104	small1
		105	small2
		106	small3
		107	Med
		108	med1
		109	Med2
		110	Med3
		111	Med4
		112	Large
		113	Colour Merge
		114	Col Merge 1
		115	Col Merge 2
		116	Col Merge 3
		117	Col Merge 4
		118	Colour Wave
		119	Col Wave 1
		120	Col Wave 2
		121	Col Wave 3
		122	Col Wave 4
		123	Colour Wave Mix
		124	Col Wave Mix1
		125	Col Wave Mix2
		126	Col Wave Mix3
		127	Col Wave Mix4
		128	Sweep

CH	Function	DMX	Description
8	INTELLIFLEX FXSELECT 1 (continued)	129	Sweep Slow 1
		130	Sweep 2
		131	Sweep 3
		132	Sweep Fast 4
		133	Sweep Random Slow 1
		134	Sweep Rand 2
		135	Sweep Rand 3
		136	Sweep Rand Fast 4
		137–255	INTELLIFLEX_FXSELECT 1
9	INTELLIFLEX ROTATE 1	0	Off
		1–127	Fast-Slow
		128	Stop
		129–255	Slow to Fast
10	INTELLIFLEX FXREPEAT 1	0	Full
		1–63	X 2
		64–127	X 4
		128–195	X 8
		196–254	X 16
		255	X 32
11	INTELLIFLEX FXDIRECTION 1	0–63	Forward
		64–127	Reverse
		128–191	Mirror Out
		192–255	Mirror In
12	INTELLIFLEX FXOFFSET 1	0–255	
13	Dimmer 2	0–255	
14	Red 3		Color RGB_R 1
		0–255	Color RGB_R 1
15	Green 3		Color RGB_G 1
		0–255	Color RGB_G 1
16	Blue 3		Color RGB_B 1
		0–255	Color RGB_B 1
17	Red 4		Color RGB_R 1
		0–255	Color RGB_R 1
18	Green 4		Color RGB_G 1
		0–255	Color RGB_G 1
19	Blue 4		Color RGB_B 1
		0–255	Color RGB_B 1
20	INTELLIFLEX FXSELECT 2	0	INTELLIFLEX_FXSELECT 1
		1	1 Col Pap snap - Example
		2	Pap Slow/Low
		3	Pap Slow/Med
		4	Pap Slow/High

CH	Function	DMX	Description
20	INTELLIFLEX FXSELECT 2 (continued)	5	Pap Slow/Linear
		6	Pap Med/Low
		7	Pap Med/Med
		8	Pap Med/High
		9	Pap Med/Linear
		10	Pap Fast/Low
		11	Pap Fast/Med
		12	Pap Fast/High
		13	Pap Fast/Linear
		14	1 Col Pap Fade - Example
		15	Pap Slow/Low
		16	Pap Slow/Med
		17	Pap Slow/Fast
		18	Pap Slow/Linear
		19	Pap Med/Low
		20	Pap Med/Med
		21	Pap Med/High
		22	Pap Med/Linear
		23	Pap Fast/Low
		24	Pap Fast/Med
		25	Pap Fast/High
		26	Pap Fast/Linear
		27	2 Col Pap Snap - Example
		28	2Pap Slow/Low
		29	2Pap Slow/Med
		30	2Pap Slow/High
		31	2Pap Slow/Linear
		32	2Pap Med/Low
		33	2Pap Med/Med
		34	2Pap Med/High
		35	2Pap Med/Linear
		36	2Pap Fast/Low
		37	2Pap Fast/Med
		38	2Pap Fast/High
		39	2Pap Fast/Linear
		40	2 Col Pap Fade - Example
		41	2Pap Slow/Low
		42	2Pap Slow/Med
		43	2Pap Slow/High
		44	2Pap Slow/Linear
		45	2Pap Med/Low
		46	2Pap Med/Med

CH	Function	DMX	Description
20	INTELLIFLEX FXSELECT 2 (continued)	47	2Pap Med/High
		48	2Pap Med/Linear
		49	2Pap Fast/Low
		50	2Pap Fast/Med
		51	2Pap Fast/High
		52	2Pap Fast/Linear
		53	Trace1 uni-dec example
		54	Trace1 Slow/Short
		55	Trace1 Slow/Med
		56	Trace1 Slow/Long
		57	Trace1 Med/Short
		58	Trace1 Med/Med
		59	Trace1 Med/Long
		60	Trace1 Fast/Short
		61	Trace1 Fast/Med
		62	Trace1 Fast/Long
		63	Traces1 uni-dec col-base ex
		64	Traces1 Slow/Short
		65	Traces1 Slow/Med
		66	Traces1 Slow/Long
		67	Traces1 Med/Short
		68	Traces1 Med/Med
		69	Traces1 Med/Long
		70	Traces1 Fast/Short
		71	Traces1 Fast/Med
		72	Traces1 Fase/Long
		73	Traces2 Uni-Col Example
		74	Traces2 Slow/Short
		75	Traces2 Slow/Med
		76	Traces2 Slow/Long
		77	Traces2 Med/Short
		78	Traces2 Med/Med
		79	Traces2 Med/Long
		80	Traces2 Fast/Short
		81	Traces2 Fast/Med
		82	Traces2 Fast/Long
		83	Traces2 uni col mix base ex
		84	Traces2 Slow/Short
		85	Traces2 Slow/Med
		86	Traces2 Slow/Long
		87	Traces2 Med/Short
		88	Traces2 Med/Med

CH	Function	DMX	Description
20	INTELLIFLEX FXSELECT 2 (continued)	89	Traces2 Med/Long
		90	Traces2 Fast/Short
		91	Traces2 Fast/Med
		92	Traces2 Fast/Long
		93	Blue Fire small
		94	small1
		95	small2
		96	small3
		97	Med
		98	Med1
		99	Med2
		100	Med3
		101	Med4
		102	Large
		103	Red Fire Small
		104	small1
		105	small2
		106	small3
		107	Med
		108	med1
		109	Med2
		110	Med3
		111	Med4
		112	Large
		113	Colour Merge
		114	Col Merge 1
		115	Col Merge 2
		116	Col Merge 3
		117	Col Merge 4
		118	Colour Wave
		119	Col Wave 1
		120	Col Wave 2
		121	Col Wave 3
		122	Col Wave 4
		123	Colour Wave Mix
		124	Col Wave Mix1
		125	Col Wave Mix2
		126	Col Wave Mix3
		127	Col Wave Mix4
		128	Sweep
		129	Sweep Slow 1
		130	Sweep 2

CH	Function	DMX	Description
20	INTELLIFLEX FXSELECT 2 (continued)	131	Sweep 3
		132	Sweep Fast 4
		133	Sweep Random Slow 1
		134	Sweep Rand 2
		135	Sweep Rand 3
		136	Sweep Rand Fast 4
		137–255	INTELLIFLEX_FXSELECT 1
21	INTELLIFLEX ROTATE 2	0	Off
		1–127	Fast-Slow
		128	Stop
		129–255	Slow to Fast
22	INTELLIFLEX FXREPEAT 2	0	Full
		1–63	X 2
		64–127	X 4
		128–195	X 8
		196–254	X 16
		255	X 32
23	INTELLIFLEX FXDIRECTION 2	0–63	Forward
		64–127	Reverse
		128–191	Mirror Out
		192–255	Mirror In
24	INTELLIFLEX FXOFFSET 2	0–255	

Mode 50ch

The GDTF file gives these values for a console's Highlight function: CH 4 Dimmer 1 255, CH 7 Red 1 255, CH 8 Green 1 255, CH 9 Blue 1 255, CH 10 Red 2 255, CH 11 Green 2 255, CH 12 Blue 2 255, CH 26 Dimmer 2 255, CH 29 Red 3 255, CH 30 Green 3 255, CH 31 Blue 3 255, CH 32 Red 4 255, CH 33 Green 4 255, CH 34 Blue 4 255, CH 48 Red 5 255, CH 49 Green 5 255, CH 50 Blue 5 255.

CH	Function	DMX	Description
1	INTELLIFLEX SHOWID	0–15	Show 1
		16–30	Show 2
		31–45	Show 3
		46–60	Show 4
		61–75	Show 5
		76–90	Show 6
		91–105	Show 7
		106–120	Show 8
		121–255	Show 9
2	INTELLIFLEX SERVERMODE	0	Live
		1–84	Live ... Record
		85	Record
		86–126	Record ... Pause
		127	Pause

CH	Function	DMX	Description
2	INTELLIFLEX SERVERMODE (continued)	128	Playback
		129–239	Playback ... Prime
		240	Prime
		241–253	Prime ... Reset
		254–255	Reset
3	INTELLIFLEX LAYERMODES	0–15	1 - (L1+L2) L3
		16–31	2 - (L1+L2)#3
		32–47	3 - (L1+L2)+L3
		48–63	4 - (L1 L2) L3
		64–79	5 - (L1 L2)#L3
		80–95	6 - (L1 L2)+L3
		96–111	7 - (L1#L2) L3
		112–127	8 - (L1#L2)#L3
		128–143	9 - (L1#L2)+L3
		144–159	Layer Mode 10 - Empty
		160–175	Layer Mode 11 - Empty
		176–191	Layer Mode 12 - Empty
		192–207	Layer Mode 13 - Empty
		208–223	Layer Mode 14 - Empty
		224–239	Layer Mode 15 - Empty
		240–255	Layer Mode 16 - Empty
4	Dimmer 1	0	-
		1–254	- ... FL
		255	FL
5	INTELLIFLEX ROTATE 1		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–255:
		0	No Rotate
		1	<<<<
		2–126	<<<< ... <
		127	<
		128	Stop
		129	>
		130–254	> ... >>>>
		255	>>>>
6	INTELLIFLEX COLOURMIX 1		When CH 10 is 0–32:
		0–255	Disabled
			When CH 10 is 33–38:
		1–255	No Col Mix
			When CH 10 is 39–44:
		0–255	Disabled
			When CH 10 is 45–153:

CH	Function	DMX	Description
6	INTELLIFLEX COLOURMIX 1 (continued)	0	No Col Mix
		1–255	Col Mix On
			When CH 10 is 154–209:
		0–255	Disabled
			When CH 10 is 210–219:
		0	No Col Mix
		1–255	Col Mix On
			When CH 10 is 220–255:
		0–255	Disabled
7	Red 1		Color RGB_R 1
		0	Min
		1–254	Min ... Max
		255	Max
8	Green 1		Color RGB_G 1
		0	Min
		1–254	Min ... Max
		255	Max
9	Blue 1		Color RGB_B 1
		0	Min
		1–254	Min ... Max
		255	Max
10	Red 2		Color RGB_R 1
		0	Min
		1–254	Min ... Max
		255	Max
11	Green 2		Color RGB_G 1
		0	Min
		1–254	Min ... Max
		255	Max
12	Blue 2		Color RGB_B 1
		0	Min
		1–254	Min ... Max
		255	Max
13	INTELLIFLEX FXSELECT 1	0–25	No Effect
		26–32	Pap One Col - Snap
		33–38	Pap One Col - Fade
		39–44	Pap Two Col - Snap
		45–51	Pap Two Col - Fade
		52–76	Trace 1 - Uniform Decay
		77–102	Trace 2 - Uniform Colour
		103–127	Trace 3 - Tears White
		128–153	Trace 4 - Crazy

CH	Function	DMX	Description
13	INTELLIFLEX FXSELECT 1 (continued)	154–169	Animation 1
		170–179	Animation 2
		180–189	Jockey
		190–199	Checkers
		200–209	Colour Merge
		210–219	Wave
		220–254	Sweep Continuous
		255	Sweep Index
14	INTELLIFLEX FXSPEED 1		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–153:
		0	Min Speed
		1–254	Min Speed ... Max Speed
		255	Max Speed
			When CH 10 is 154–219:
		0–255	Disabled
			When CH 10 is 220–255:
		0	Min Speed
		1–254	Min Speed ... Max Speed
		255	Max Speed
15	INTELLIFLEX FXSIZE 1		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–153:
		0	Min Size
		1–254	Min Size ... Max Size
		255	Max Size
			When CH 10 is 154–179:
		0–255	Disabled
			When CH 10 is 180–255:
		0	Min Size
		1–254	Min Size ... Max Size
		255	Max Size
16	INTELLIFLEX FXDIRECTION 1		When CH 10 is 0–51:
		0–255	Disabled
			When CH 10 is 52–153:
		0–63	Forward
		64–127	Reverse
		128–191	Mirror Out
		192–255	Mirror In
			When CH 10 is 154–179:
		0–255	Disabled
			When CH 10 is 180–255:

CH	Function	DMX	Description
16	INTELLIFLEX FXDIRECTION 1 (continued)	0–63	Forward
		64–127	Reverse
		128–191	Mirror Out
		192–255	Mirror In
17	INTELLIFLEX FXTAIL 1		When CH 10 is 0–51:
		0–255	Disabled
			When CH 10 is 52–179:
		0	Min Tail
		1–254	Min Tail ... Max Tail
		255	Max Tail
			When CH 10 is 180–255:
		0–255	Disabled
18	INTELLIFLEX FXHEAD 1		When CH 10 is 0–51:
		0–255	Disabled
			When CH 10 is 52–179:
		0	Min Head
		1–254	Min Head ... Max Head
		255	Max Head
			When CH 10 is 180–255:
		0–255	Disabled
19	INTELLIFLEX FXOFFSET 1		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–153:
		0	Min Offset
		1–254	Min Offset ... Max Offset
		255	Max Offset
			When CH 10 is 154–179:
		0–255	Disabled
			When CH 10 is 180–255:
		0	Min Offset
		1–254	Min Offset ... Max Offset
		255	Max Offset
20	INTELLIFLEX FXDENSITY 1		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–51:
		0	Min Density
		1–254	Min Density ... Max Density
		255	Max Density
			When CH 10 is 52–255:
		0–255	Disabled
21	INTELLIFLEX FXREPEAT 1		When CH 10 is 0–25:
		0–255	Disabled

CH	Function	DMX	Description
21	INTELLIFLEX FXREPEAT 1 (continued)		When CH 10 is 26–153:
		0	Full
		1–63	X 2
		64–127	X 4
		128–195	X 8
		196–254	X 16
		255	X 32
			When CH 10 is 154–179:
		0–255	Disabled
			When CH 10 is 180–255:
		0	Full
		1–63	X 2
		64–127	X 4
		128–195	X 8
		196–254	X 16
		255	X 32
22	INTELLIFLEX FXRANDOMIZE 1		When CH 10 is 0–51:
		0–255	Disabled
			When CH 10 is 52–153:
		0	Min Random
		1–254	Min Random ... Max Random
		255	Max Random
			When CH 10 is 154–219:
		0–255	Disabled
			When CH 10 is 220–255:
		0	Min Random
		1–254	Min Random ... Max Random
		255	Max Random
23	INTELLIFLEX MAPSTART 1		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–255:
		0	Min Map Start
		1–254	Min Map Start ... Max Map Start
		255	Max Map Start
24	INTELLIFLEX MAPSIZE 1		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–255:
		0	Min Map Size
		1–254	Min Map Size ... Max Map Size
		255	Max Map Size
25	INTELLIFLEX IN-BUILTFX 1	0	Off
		1–10	5 Dots

CH	Function	DMX	Description
25	INTELLIFLEX IN-BUILTFX 1 (continued)	11–20	Dots Move
		21–30	Wave Out
		31–40	Gentle Pap
		41–50	Pap Move 2 Col
		51–60	Slow Large Wave
		61–70	More Waves Down
		71–80	More Waves Up
		81–90	Quick Waves
		91–100	Quick Trace
		101–110	Quick Pap 1 Col
		111–120	Quick Pap 2 Col
		121–130	Racing 1
		131–140	Racing 2
		141–150	Random Sweeps
		151–160	Rocket
		161–170	Mental
		171–180	Pap Hardcore
		181–190	Lightning
		191–255	None
26	Dimmer 2	0	-
		1–254	- ... FL
		255	FL
27	INTELLIFLEX ROTATE 2		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–255:
		0	No Rotate
		1	<<<<
		2–126	<<<< ... <
		127	<
		128	Stop
		129	>
		130–254	> ... >>>>
		255	>>>>
28	INTELLIFLEX COLOURMIX 2		When CH 10 is 0–32:
		0–255	Disabled
			When CH 10 is 33–38:
		1–255	No Col Mix
			When CH 10 is 39–44:
		0–255	Disabled
			When CH 10 is 45–153:
		0	No Col Mix
		1–255	Col Mix On

CH	Function	DMX	Description
28	INTELLIFLEX COLOURMIX 2 (continued)		When CH 10 is 154–209:
		0–255	Disabled
			When CH 10 is 210–219:
		0	No Col Mix
		1–255	Col Mix On
			When CH 10 is 220–255:
		0–255	Disabled
29	Red 3		Color RGB_R 1
		0	Min
		1–254	Min ... Max
		255	Max
30	Green 3		Color RGB_G 1
		0	Min
		1–254	Min ... Max
		255	Max
31	Blue 3		Color RGB_B 1
		0	Min
		1–254	Min ... Max
		255	Max
32	Red 4		Color RGB_R 1
		0	Min
		1–254	Min ... Max
		255	Max
33	Green 4		Color RGB_G 1
		0	Min
		1–254	Min ... Max
		255	Max
34	Blue 4		Color RGB_B 1
		0	Min
		1–254	Min ... Max
		255	Max
35	INTELLIFLEX FXSELECT 2	0–25	No Effect
		26–32	Pap One Col - Snap
		33–38	Pap One Col - Fade
		39–44	Pap Two Col - Snap
		45–51	Pap Two Col - Fade
		52–76	Trace 1 - Uniform Decay
		77–102	Trace 2 - Uniform Colour
		103–127	Trace 3 - Tears White
		128–153	Trace 4 - Crazy
		154–169	Animation 1
		170–179	Animation 2

CH	Function	DMX	Description
35	INTELLIFLEX FXSELECT 2 (continued)	180–189	Jockey
		190–199	Checkers
		200–209	Colour Merge
		210–219	Wave
		220–254	Sweep Continuous
		255	Sweep Index
36	INTELLIFLEX FXSPEED 2		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–153:
		0	Min Speed
		1–254	Min Speed ... Max Speed
		255	Max Speed
			When CH 10 is 154–219:
		0–255	Disabled
			When CH 10 is 220–255:
		0	Min Speed
		1–254	Min Speed ... Max Speed
		255	Max Speed
37	INTELLIFLEX FXSIZE 2		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–153:
		0	Min Size
		1–254	Min Size ... Max Size
		255	Max Size
			When CH 10 is 154–179:
		0–255	Disabled
			When CH 10 is 180–255:
		0	Min Size
		1–254	Min Size ... Max Size
		255	Max Size
38	INTELLIFLEX FXDIRECTION 2		When CH 10 is 0–51:
		0–255	Disabled
			When CH 10 is 52–153:
		0–63	Forward
		64–127	Reverse
		128–191	Mirror Out
		192–255	Mirror In
			When CH 10 is 154–179:
		0–255	Disabled
			When CH 10 is 180–255:
		0–63	Forward
		64–127	Reverse

CH	Function	DMX	Description
38	INTELLIFLEX FXDIRECTION 2 (continued)	128–191	Mirror Out
		192–255	Mirror In
39	INTELLIFLEX FXTAIL 2		When CH 10 is 0–51:
		0–255	Disabled
			When CH 10 is 52–179:
		0	Min Tail
		1–254	Min Tail ... Max Tail
		255	Max Tail
			When CH 10 is 180–255:
		0–255	Disabled
40	INTELLIFLEX FXHEAD 2		When CH 10 is 0–51:
		0–255	Disabled
			When CH 10 is 52–179:
		0	Min Head
		1–254	Min Head ... Max Head
		255	Max Head
			When CH 10 is 180–255:
		0–255	Disabled
41	INTELLIFLEX FXOFFSET 2		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–153:
		0	Min Offset
		1–254	Min Offset ... Max Offset
		255	Max Offset
			When CH 10 is 154–179:
		0–255	Disabled
			When CH 10 is 180–255:
		0	Min Offset
		1–254	Min Offset ... Max Offset
		255	Max Offset
42	INTELLIFLEX FXDENSITY 2		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–51:
		0	Min Density
		1–254	Min Density ... Max Density
		255	Max Density
			When CH 10 is 52–255:
		0–255	Disabled
43	INTELLIFLEX FXREPEAT 2		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–153:
		0	Full

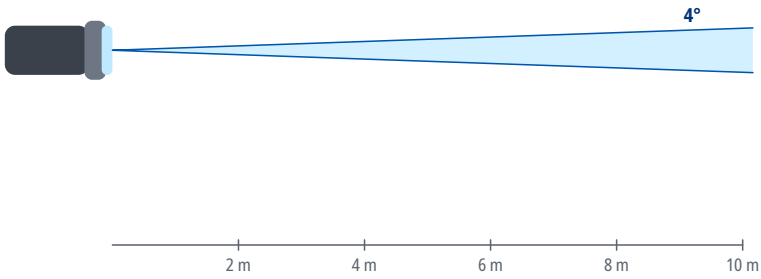
CH	Function	DMX	Description
43	INTELLIFLEX FXREPEAT 2 (continued)	1–63	X 2
		64–127	X 4
		128–195	X 8
		196–254	X 16
		255	X 32
			When CH 10 is 154–179:
		0–255	Disabled
			When CH 10 is 180–255:
		0	Full
		1–63	X 2
		64–127	X 4
		128–195	X 8
		196–254	X 16
		255	X 32
44	INTELLIFLEX FXRANDOMIZE 2		When CH 10 is 0–51:
		0–255	Disabled
			When CH 10 is 52–153:
		0	Min Random
		1–254	Min Random ... Max Random
		255	Max Random
			When CH 10 is 154–219:
		0–255	Disabled
			When CH 10 is 220–255:
		0	Min Random
		1–254	Min Random ... Max Random
		255	Max Random
45	INTELLIFLEX MAPSTART 2		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–255:
		0	Min Map Start
		1–254	Min Map Start ... Max Map Start
		255	Max Map Start
46	INTELLIFLEX MAPSIZE 2		When CH 10 is 0–25:
		0–255	Disabled
			When CH 10 is 26–255:
		0	Min Map Size
		1–254	Min Map Size ... Max Map Size
		255	Max Map Size
47	INTELLIFLEX IN-BUILTFX 2	0	Off
		1–10	5 Dots
		11–20	Dots Move
		21–30	Wave Out

CH	Function	DMX	Description
47	INTELLIFLEX IN-BUILTFX 2 (continued)	31–40	Gentle Pap
		41–50	Pap Move 2 Col
		51–60	Slow Large Wave
		61–70	More Waves Down
		71–80	More Waves Up
		81–90	Quick Waves
		91–100	Quick Trace
		101–110	Quick Pap 1 Col
		111–120	Quick Pap 2 Col
		121–130	Racing 1
		131–140	Racing 2
		141–150	Random Sweeps
		151–160	Rocket
		161–170	Mental
		171–180	Pap Hardcore
		181–190	Lightning
		191–255	None
48	Red 5		Color RGB_R 1
		0	Min
		1–254	Min … Max
		255	Max
49	Green 5		Color RGB_G 1
		0	Min
		1–254	Min … Max
		255	Max
50	Blue 5		Color RGB_B 1
		0	Min
		1–254	Min … Max
		255	Max

9 Technical specifications

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

Spot diameter



Distance	Ø 4°
2 m	0.14 m
4 m	0.28 m
6 m	0.42 m
8 m	0.56 m
10 m	0.7 m
15 m	1 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.