DMX REFERENCE

Fuze Profile CW

Elation



Manufacturer	Elation
GDTF file	Elation_Fuze_Profile_CW_78269.gdtf
GDTF revision	First Release 2024-11-12 · 2024-11-12
Generated	2026-11-24

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1 About this manual

This document describes the Fuze Profile CW by Elation. It was compiled from the GDTF file Elation_Fuze_Profile_CW_78269.gdtf from the GDTF-Share library.

File revision: “First Release 2024-11-12”.

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 Elation; 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	23.3 kg

DMX modes

Mode	Channels	Units in one universe	First start addresses
Extended Pan540	40	12	1, 41, 81, 121, ...
Extended Pan630	40	12	1, 41, 81, 121, ...
Standard Pan540	26	19	1, 27, 53, 79, ...
Standard Pan630	26	19	1, 27, 53, 79, ...



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.

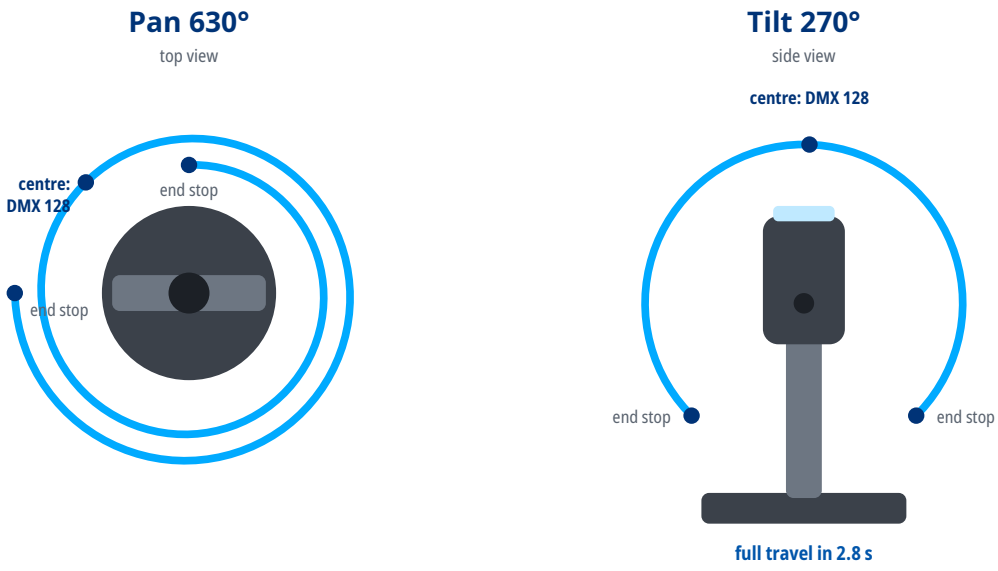
> ⚠ **WARNING**
>
> - The moving parts of the device (for example the head or arms) can move quickly and unexpectedly at any time – after power-on, during a reset, or on a command from the controller.
> - Keep yourself and any objects out of the range of movement. While the device is switched on, do 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

“The FUZE PROFILE CW™ is an automated LED framing fixture designed for trade show, stages, television and a wide array of AV event applications. The 91CRI 380W White LED engine ensures accurate color reproduction while delivering a powerful output of 11,000 lumens. Designed to illuminate objects like exhibits and banners, texture areas and key light persons with its flat field and accurate framing it has many practical applications where a fully automated ellipsoidal fixture is required. A rotating gobo wheel of breakups,two color wheels featuring solid colors and correction filters plus and Iris round out its comprehensive feature set.”

Range of movement



Full-travel times as stated in the GDTF file.

5 Installation

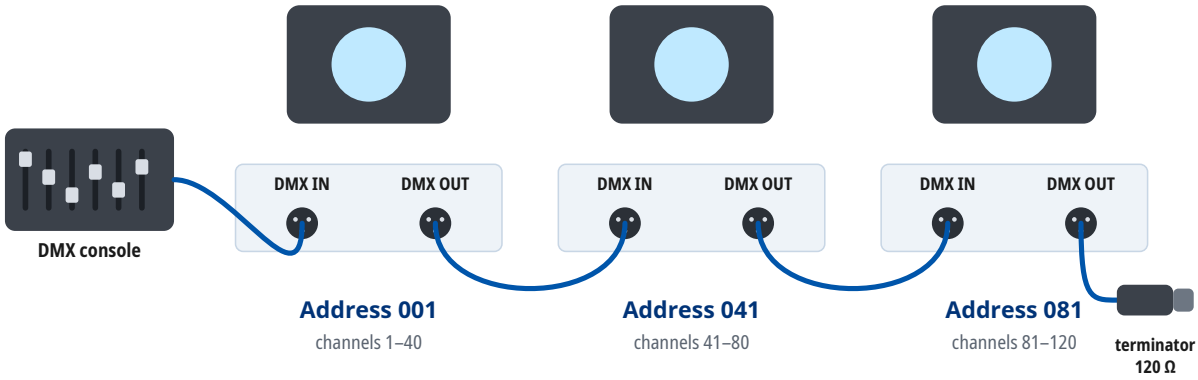
⚠ **WARNING**

- Rigging must be carried out only by qualified persons in accordance with applicable regulations, in particular those for work at height.
- The supporting structure and fixings must safely carry the weight of all suspended devices; verify their load capacity in advance.
- Weight of the device: 23.3 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 Extended Pan540: every unit occupies 40 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 “Extended Pan540”: 40.
- 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 “Extended Pan540”, you can use, for example, the start addresses 1, 41, 81, 121.
- 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.

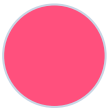
8 Functions at a glance

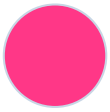
Functions in each DMX mode

	Extended Pan540 40 channels	Extended Pan630 40 channels	Standard Pan540 26 channels	Standard Pan630 26 channels
Pan / Tilt	1, 3	1, 3	1, 3	1, 3
Dimmer	15	15	13	13
Shutter / strobe	14	14	12	12
Color wheel	5, 6	5, 6	5, 6	5, 6
Gobo wheel	7, 8	7, 8	7, 8	7, 8
Gobo rotation	7, 8	7, 8	7, 8	7, 8
Frost	20	20	16	16
Zoom	12	12	11	11
Focus	10	10	10	10
Iris	18	18	15	15
Effects / macros	40	40	26	26

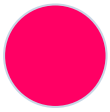
Color wheel 1



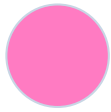
25  LEE 148 - Bright Rose

26  LEE 332 - Special Rose Pink

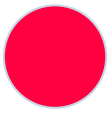
27  LEE 793 - Vanity Fair

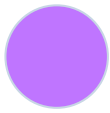
28  LEE 113 - Magenta

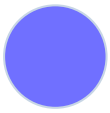
29  LEE 046 - Dark Magenta

30  LEE 048 - Rose Purple

31  LEE 126 - Mauve

32  LEE 049 - Medium Purple

33  LEE 058 - Lavender

34  LEE 197 - Alice Blue

35  LEE 119 - Dark Blue

36  LEE 132 - Medium Blue

37  LEE 120 - Deep Blue

38  LEE 165 - Daylight Blue

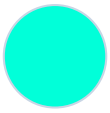
39  LEE 161 - Slate Blue

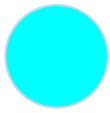
40  LEE 118 - Light Blue

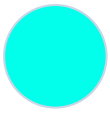
41  LEE 068 - Sky Blue

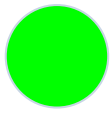
42 LEE 143 - Pale Navy Blue

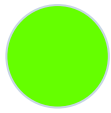
43 LEE 131 - Marine Blue

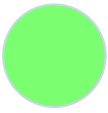
44  LEE 115 - Peacock Blue

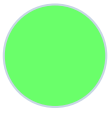
45  LEE 172 - Lagoon Blue

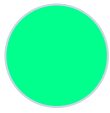
46  LEE 116 - Medium Blue Green

47  LEE 090 - Dark Yellow Green

48  LEE 139 - Primary Green

49  LEE 122 - Fern Green

50  LEE 089 - Moss Green

51  LEE 124 - Dark Green

52 LEE 088 - Lime Green

53 LEE 138 - Pale Green

54 LEE 203 - Quarter C T Blue

55 LEE 202 - Half C T Blue

56 LEE 201 - Full C T Blue

57  LEE 200 - Double C T Blue

58 LEE 206 - Quarter C T Orange

59 LEE 205 - Half C T Orange

60 LEE 204 - Full C T Orange

61 Open

Gobo wheel

1.
Gobo: Open
DMX 0–9

2. 
Gobo 1
DMX 10–19

3. 
Gobo 2
DMX 20–29

4. 
Gobo 3
DMX 30–39

5. 
Gobo 4
DMX 40–49

6. 
Gobo 5
DMX 50–59

7. 
Gobo 6
DMX 60–69

8. 
Gobo 7
DMX 70–78

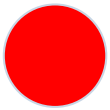
Prism

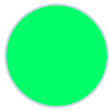
1.

2. 
4 facets
4-Facet Circular Prism

Color wheel 2

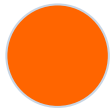
1.
Open
DMX 0–15

2. 
Red
DMX 16–31

3. 
Medium Green
DMX 32–47

4. 
Light Blue
DMX 48–63

5. 
Lavender
DMX 64–79

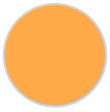
6. 
Amber
DMX 80–95

7. 
Light Pink
DMX 96–111

8. 
Warm Yellow
DMX 112–128

Color wheel 3

1.
Open
DMX 0–15

2. 
2700K
DMX 16–31

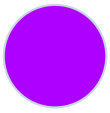
3. 
3200K
DMX 32–47

4.
4500K
DMX 48–63

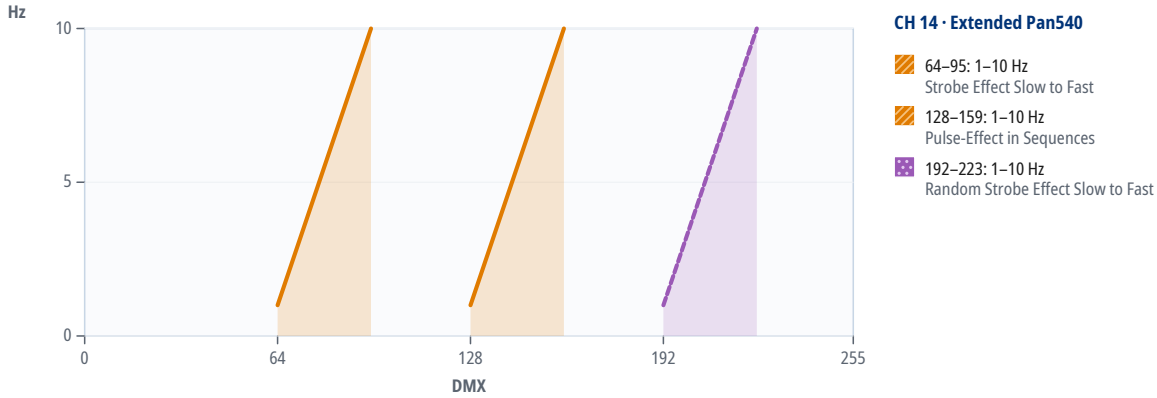
5.
5500K
DMX 64–79

6.
6800K
DMX 80–95

7.
8000K
DMX 96–111

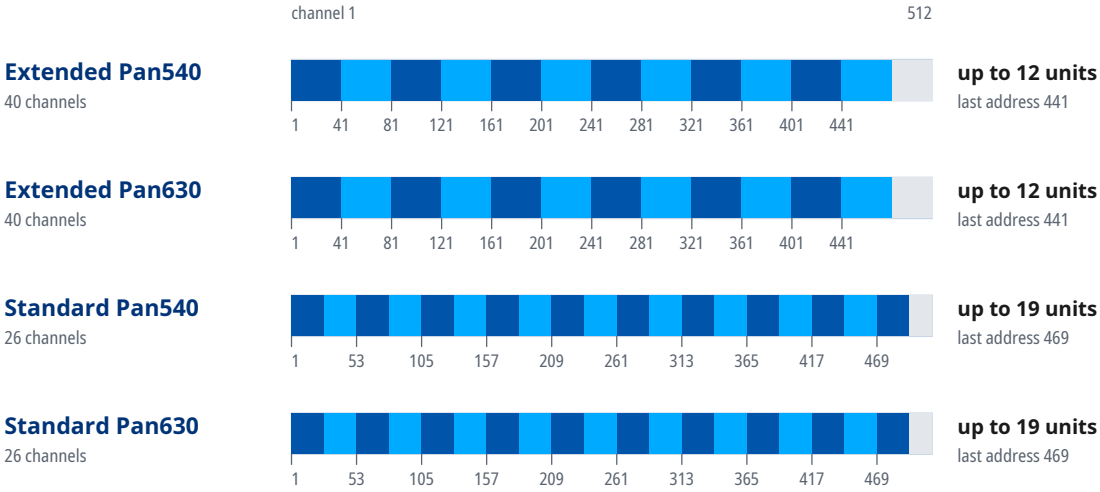
8. 
UV
DMX 112–128

Strobe rate



9 DMX channels

Units in one DMX universe



Start addresses of 20 units in the mode “Extended Pan540”

Unit	Start address	Unit	Start address	Unit	Start address	Unit	Start address
1	1	6	201	11	401	16	U2 · 121
2	41	7	241	12	441	17	U2 · 161
3	81	8	281	13	U2 · 1	18	U2 · 201
4	121	9	321	14	U2 · 41	19	U2 · 241
5	161	10	361	15	U2 · 81	20	U2 · 281

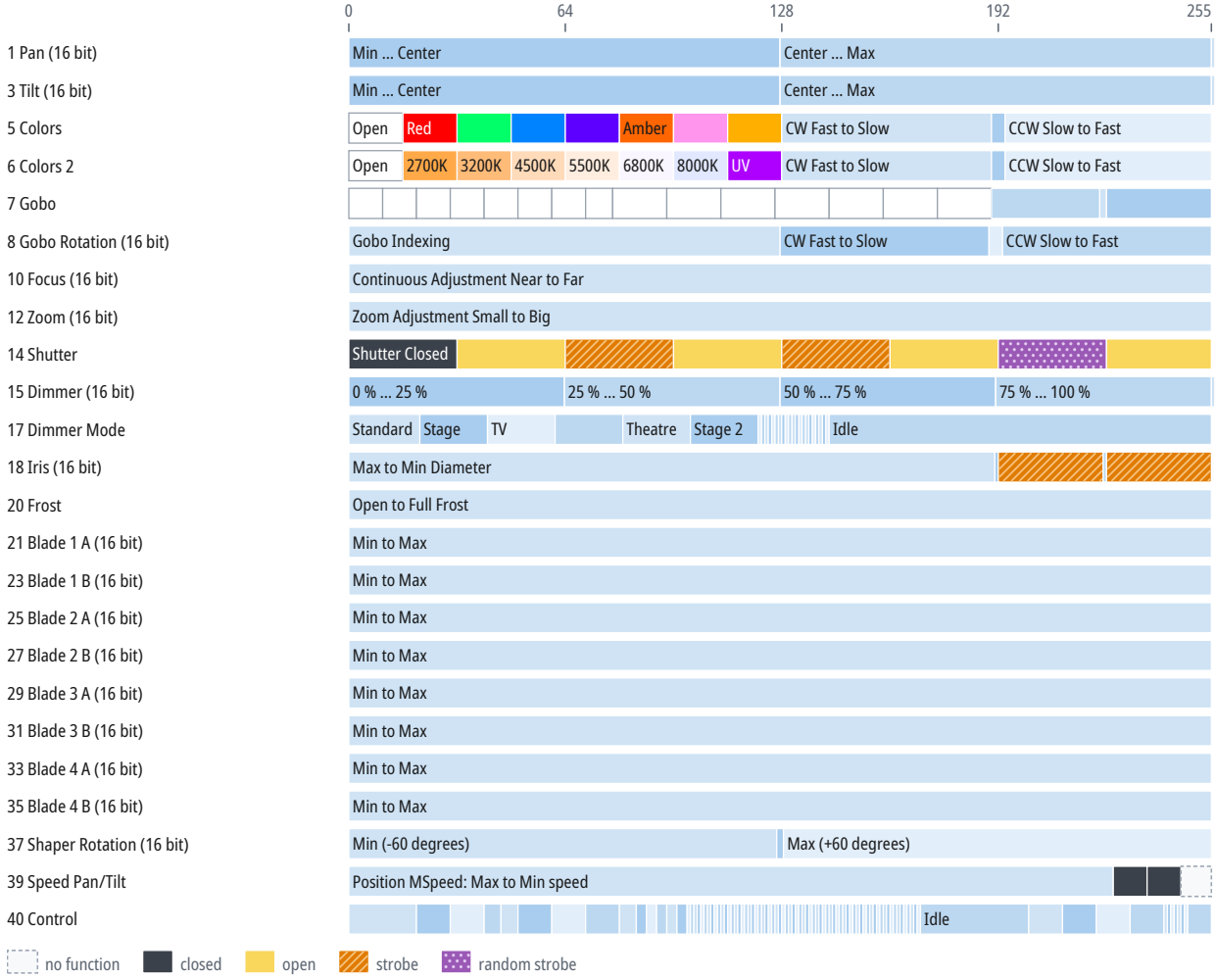
Where a DMX universe is full, the next units continue in the next universe: “U2 · 1” is address 1 in the second universe, counted from the universe of the first unit.

Mode Extended Pan540

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

The GDTF file gives these values for a console's Highlight function: CH 5 Colors 0, CH 6 Colors 2 0, CH 14 Shutter 47, CH 15 Dimmer 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Pan	0–127	Min ... Center
		127	Center
		128–255	Center ... Max
		255	Max
2	Pan Fine	0–255	Fine adjustment of CH 1
3	Tilt	0–127	Min ... Center
		128–255	Center ... Max
		255	Max
4	Tilt Fine	0–255	Fine adjustment of CH 3
5	Colors	0–15	Open
		16–31	Red
		32–47	Medium Green

CH	Function	DMX	Description
5	Colors (continued)	48–63	Light Blue
		64–79	Lavender
		80–95	Amber
		96–111	Light Pink
		112–127	Warm Yellow
		128–189	CW Fast to Slow (360–10 °/s)
		190–193	No Rot
		194–255	CCW Slow to Fast (10–360 °/s)
6	Colors 2	0–15	Open
		16–31	2700K
		32–47	3200K
		48–63	4500K
		64–79	5500K
		80–95	6800K
		96–111	8000K
		112–127	UV
		128–189	CW Fast to Slow (360–10 °/s)
		190–193	No Rot
		194–255	CCW Slow to Fast (10–360 °/s)
7	Gobo	0–9	Gobo: Open
		10–19	Gobo 1
		20–29	Gobo 2
		30–39	Gobo 3
		40–49	Gobo 4
		50–59	Gobo 5
		60–69	Gobo 6
		70–77	Gobo 7
		78–93	Gobo 1 Select Shake: Gobo 1 (1–5 Hz)
		94–109	Gobo 1 Select Shake: Gobo 2 (1–5 Hz)
		110–125	Gobo 1 Select Shake: Gobo 3 (1–5 Hz)
		126–141	Gobo 1 Select Shake: Gobo 4 (1–5 Hz)
		142–157	Gobo 1 Select Shake: Gobo 5 (1–5 Hz)
		158–173	Gobo 1 Select Shake: Gobo 6 (1–5 Hz)
		174–189	Gobo 1 Select Shake: Gobo 7 (1–5 Hz)
		190–221	CW Fast to Slow (360–10 °/s)
		222–223	Gobo 1 Select Spin: Stop
		224–255	CCW Slow to Fast (10–360 °/s)
8	Gobo Rotation	0–127	Gobo Indexing (360°)
		128–189	CW Fast to Slow (360–30 °/s)
		190–193	No Rotation
		194–255	CCW Slow to Fast (30–360 °/s)
9	Gobo Rotation Fine	0–255	Fine adjustment of CH 8

CH	Function	DMX	Description
10	Focus	0–255	Continuous Adjustment Near to Far
11	Focus Fine	0–255	Fine adjustment of CH 10
12	Zoom	0–255	Zoom Adjustment Small to Big (7–42°)
13	Zoom Fine	0–255	Fine adjustment of CH 12
14	Shutter	0–31	Shutter Closed
		32–63	No Function (Shutter Open)
		64–95	Strobe Effect Slow to Fast (1–10 Hz)
		96–127	No Function (Shutter Open)
		128–159	Pulse-Effect in Sequences (1–10 Hz)
		160–191	No Function (Shutter Open)
		192–223	Random Strobe Effect Slow to Fast (1–10 Hz)
		224–255	No Function (Shutter Open)
15	Dimmer	0–63	0 % … 25 %
		63	25 %
		64–127	25 % … 50 %
		127	50 %
		128–191	50 % … 75 %
		191	75 %
		192–255	75 % … 100 %
		255	100 %
16	Dimmer Fine	0–255	Fine adjustment of CH 15
17	Dimmer Mode	0–20	Standard
		21–40	Stage
		41–60	TV
		61–80	Architectural
		81–100	Theatre
		101–120	Stage 2
		121	0s
		122	0*1s
		123	0*2
		124	0*3s
		125	0*4s
		126	0*5s
		127	0*6s
		128	0*7
		129	0*8s
		130	0*9s
		131	1s
		132	1*5s
		133–141	2…10s
		142–255	Idle
18	Iris	0–191	Max to Min Diameter

CH	Function	DMX	Description
18	Iris (continued)	191–192	Iris
		192–223	Pulse Opening Fast to Slow
		223–224	Iris Pulse Open
		224–255	Pulse Closing Slow to Fast
19	Iris Fine	0–255	Fine adjustment of CH 18
20	Frost	0–255	Open to Full Frost
21	Blade 1 A	0–255	Min to Max
22	Blade 1 A Fine	0–255	Fine adjustment of CH 21
23	Blade 1 B	0–255	Min to Max
24	Blade 1 B Fine	0–255	Fine adjustment of CH 23
25	Blade 2 A	0–255	Min to Max
26	Blade 2 A Fine	0–255	Fine adjustment of CH 25
27	Blade 2 B	0–255	Min to Max
28	Blade 2 B Fine	0–255	Fine adjustment of CH 27
29	Blade 3 A	0–255	Min to Max
30	Blade 3 A Fine	0–255	Fine adjustment of CH 29
31	Blade 3 B	0–255	Min to Max
32	Blade 3 B Fine	0–255	Fine adjustment of CH 31
33	Blade 4 A	0–255	Min to Max
34	Blade 4 A Fine	0–255	Fine adjustment of CH 33
35	Blade 4 B	0–255	Min to Max
36	Blade 4 B Fine	0–255	Fine adjustment of CH 35
37	Shaper Rotation		All blade Rotation
		0–126	Min (-60 degrees)
		127–128	Parallel (0 degrees)
		129–255	Max (+60 degrees)
38	Shaper Rotation Fine	0–255	Fine adjustment of CH 37
39	Speed Pan/Tilt	0–225	Position MSpeed: Max to Min speed
		226–235	Blackout by Movement
		236–245	Blackout by All Wheel Changing
		246–255	No Function
40	Control	0–19	Color Change Normal
		20–29	Color Change to Any Position
		30–39	Color - Gobo Change to Any Position
		40–44	Fan Mode Studio
		45–49	Fan Mode Mute
		50–59	Fan Mode Low
		60–69	Fan Mode High
		70–79	Fan Mode Auto
		80–84	All Motor Reset
		85–87	Pan / Tilt Motors Reset
		88–90	Color Motors Reset

CH	Function	DMX	Description
40	Control (continued)	91–93	Gobo Reset
		94–96	Focus and Zoom Motor Reset
		97–99	Other Motor Reset
		100	900
		101	910
		102	920
		103	930
		104	940
		105	950
		106	960
		107	970
		108	980
		109	990
		110	1000
		111	1010
		112	1020
		113	1030
		114	1040
		115	1050
		116	1060
		117	1070
		118	1080
		119	1090
		120	1100
		121	1110
		122	1120
		123	1130
		124	1140
		125	1150
		126	1160
		127	1170
		128	1180
		129	1190
		130	1200
		131	1210
		132	1220
		133	1230
		134	1240
		135	1250
		136	1260
		137	1270
		138	1280

CH	Function	DMX	Description
40	Control (continued)	139	1290
		140	1300
		141	1310
		142	1320
		143	1330
		144	1340
		145	1350
		146	1360
		147	1370
		148	1380
		149	1390
		150	1400
		151	1410
		152	1420
		153	1430
		154	1440
		155	1450
		156	1460
		157	1470
		158	1480
		159	1490
		160	1500
		161	2500
		162	4000
		163	5000
		164	6000
		165	10000
		166	15000
		167	20000
		168	25000
		169–200	Idle
		201–210	Dimmer Curve Linear (default)
		211–220	Dimmer Curve Square
		221–230	Dimmer Curve Inverse Square
		231–240	Dimmer Curve S-Curve
		241	Program 1 (Scene 1-8)
		242	Program 2 (Scene 9 -16)
		243	Program 3 (Scene17-24)
		244	Program 4 (Scene 25-32)
		245	Program 5 (Scene 33-40)

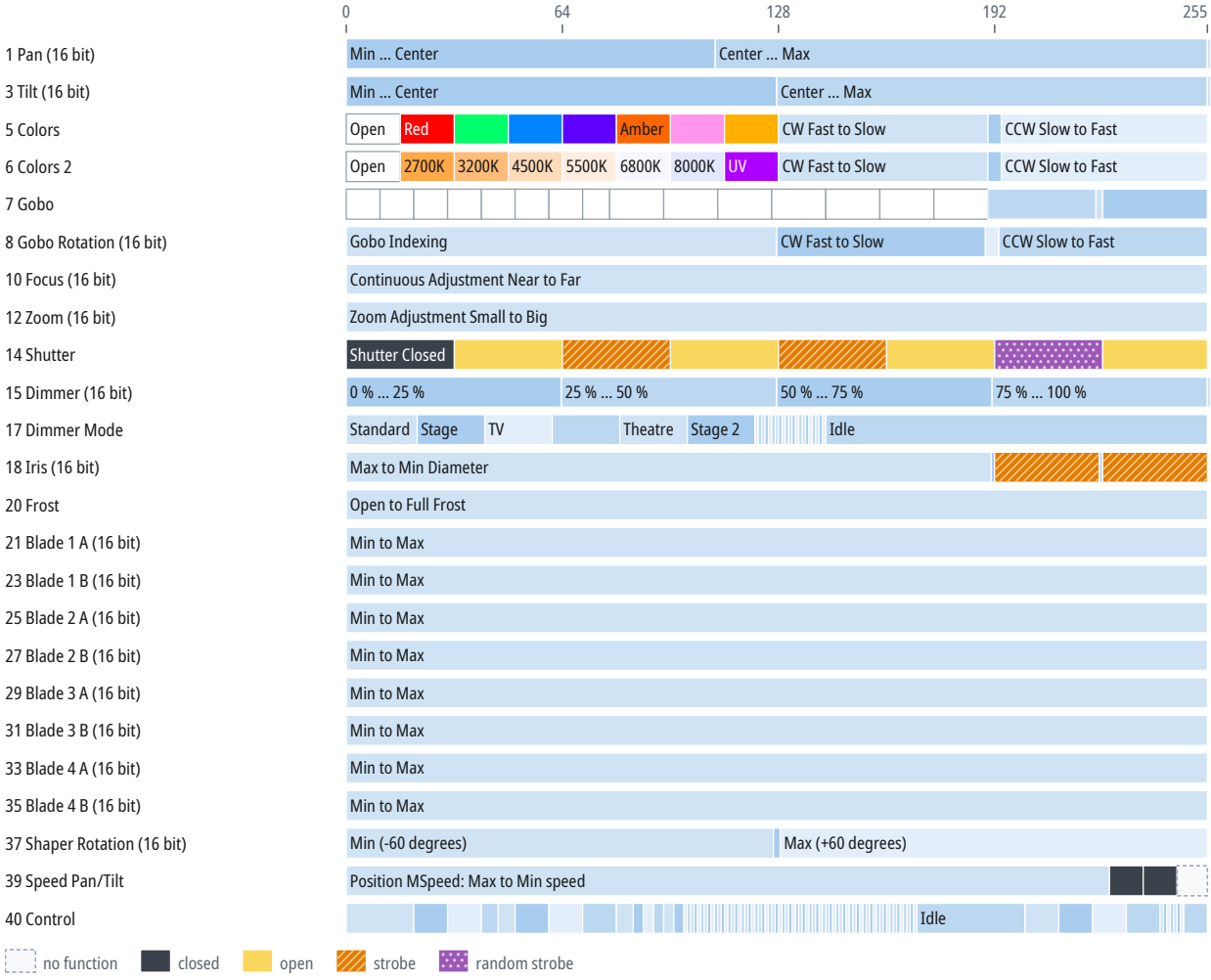
CH	Function	DMX	Description
40	Control (continued)	246	Program 6 (Scene 41-48)
		247	Program 7 (Scene 49-56)
		248–255	Idle

Mode Extended Pan630

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

The GDTF file gives these values for a console's Highlight function: CH 5 Colors 0, CH 6 Colors 2 0, CH 14 Shutter 47, CH 15 Dimmer 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Pan	0–109	Min ... Center
		109–255	Center ... Max
		255	Max
2	Pan Fine	0–255	Fine adjustment of CH 1
3	Tilt		Same as CH 3 in the mode “Extended Pan540” (p. 12)
4	Tilt Fine	0–255	Fine adjustment of CH 3

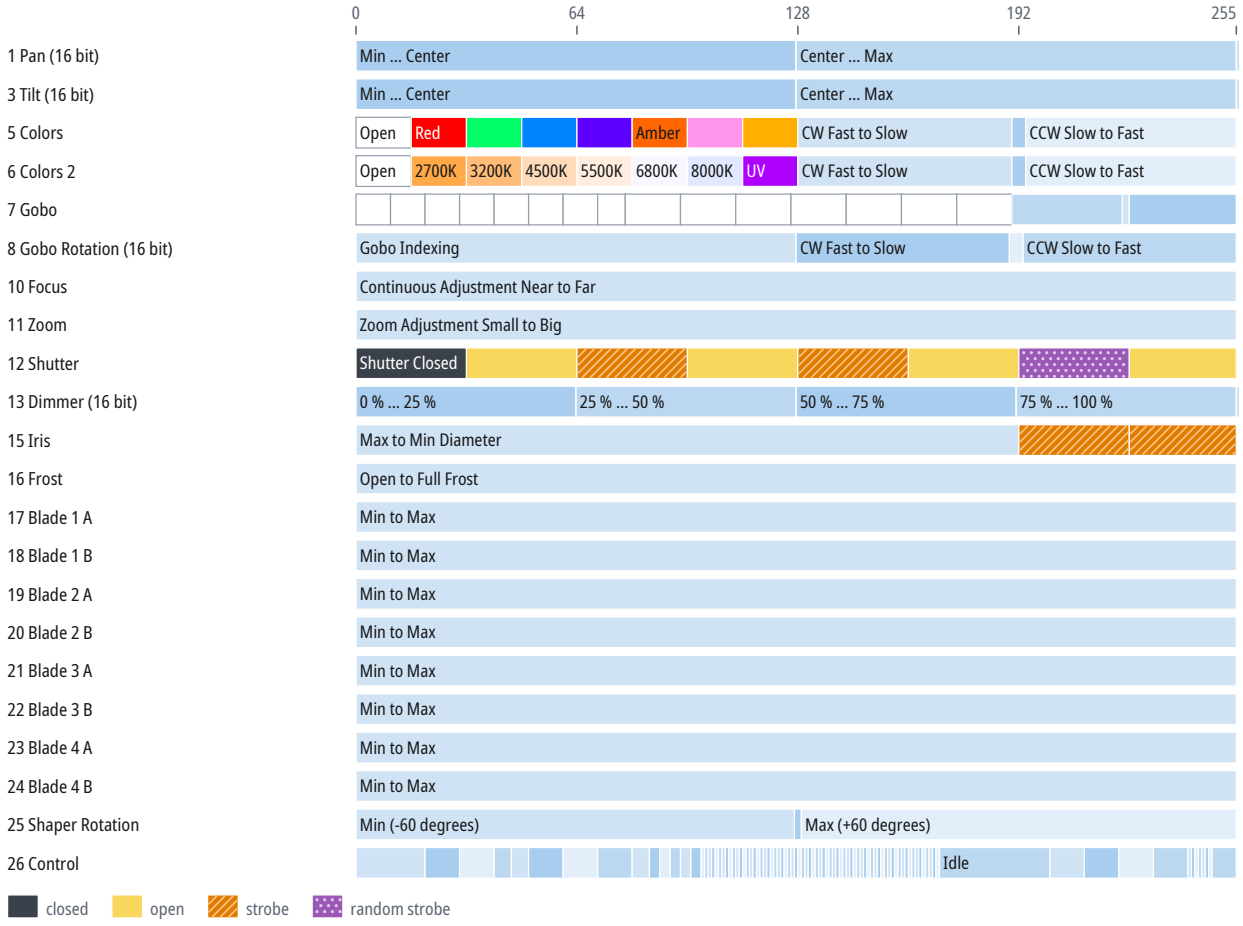
CH	Function	DMX	Description
5	Colors		Same as CH 5 in the mode “Extended Pan540” (p. 12)
6	Colors 2		Same as CH 6 in the mode “Extended Pan540” (p. 13)
7	Gobo		Same as CH 7 in the mode “Extended Pan540” (p. 13)
8	Gobo Rotation		Same as CH 8 in the mode “Extended Pan540” (p. 13)
9	Gobo Rotation Fine	0–255	Fine adjustment of CH 8
10	Focus	0–255	Continuous Adjustment Near to Far
11	Focus Fine	0–255	Fine adjustment of CH 10
12	Zoom	0–255	Zoom Adjustment Small to Big (7–42°)
13	Zoom Fine	0–255	Fine adjustment of CH 12
14	Shutter		Same as CH 14 in the mode “Extended Pan540” (p. 14)
15	Dimmer		Same as CH 15 in the mode “Extended Pan540” (p. 14)
16	Dimmer Fine	0–255	Fine adjustment of CH 15
17	Dimmer Mode		Same as CH 17 in the mode “Extended Pan540” (p. 14)
18	Iris		Same as CH 18 in the mode “Extended Pan540” (p. 14)
19	Iris Fine	0–255	Fine adjustment of CH 18
20	Frost	0–255	Open to Full Frost
21	Blade 1 A	0–255	Min to Max
22	Blade 1 A Fine	0–255	Fine adjustment of CH 21
23	Blade 1 B	0–255	Min to Max
24	Blade 1 B Fine	0–255	Fine adjustment of CH 23
25	Blade 2 A	0–255	Min to Max
26	Blade 2 A Fine	0–255	Fine adjustment of CH 25
27	Blade 2 B	0–255	Min to Max
28	Blade 2 B Fine	0–255	Fine adjustment of CH 27
29	Blade 3 A	0–255	Min to Max
30	Blade 3 A Fine	0–255	Fine adjustment of CH 29
31	Blade 3 B	0–255	Min to Max
32	Blade 3 B Fine	0–255	Fine adjustment of CH 31
33	Blade 4 A	0–255	Min to Max
34	Blade 4 A Fine	0–255	Fine adjustment of CH 33
35	Blade 4 B	0–255	Min to Max
36	Blade 4 B Fine	0–255	Fine adjustment of CH 35
37	Shaper Rotation		Same as CH 37 in the mode “Extended Pan540” (p. 15)
38	Shaper Rotation Fine	0–255	Fine adjustment of CH 37
39	Speed Pan/Tilt		Same as CH 39 in the mode “Extended Pan540” (p. 15)
40	Control		Same as CH 40 in the mode “Extended Pan540” (p. 15)

Mode Standard Pan540

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

The GDTF file gives these values for a console's Highlight function: CH 5 Colors 0, CH 6 Colors 2 0, CH 12 Shutter 47, CH 13 Dimmer 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Pan		Same as CH 1 in the mode “Extended Pan540” (p. 12)
2	Pan Fine	0–255	Fine adjustment of CH 1
3	Tilt		Same as CH 3 in the mode “Extended Pan540” (p. 12)
4	Tilt Fine	0–255	Fine adjustment of CH 3
5	Colors		Same as CH 5 in the mode “Extended Pan540” (p. 12)
6	Colors 2		Same as CH 6 in the mode “Extended Pan540” (p. 13)
7	Gobo		Same as CH 7 in the mode “Extended Pan540” (p. 13)
8	Gobo Rotation		Same as CH 8 in the mode “Extended Pan540” (p. 13)
9	Gobo Rotation Fine	0–255	Fine adjustment of CH 8
10	Focus	0–255	Continuous Adjustment Near to Far
11	Zoom	0–255	Zoom Adjustment Small to Big (7–42°)
12	Shutter		Same as CH 14 in the mode “Extended Pan540” (p. 14)
13	Dimmer		Same as CH 15 in the mode “Extended Pan540” (p. 14)

CH	Function	DMX	Description
14	Dimmer Fine	0–255	Fine adjustment of CH 13
15	Iris	0–191	Max to Min Diameter
		192–223	Pulse Opening Fast to Slow
		224–255	Pulse Closing Slow to Fast
16	Frost	0–255	Open to Full Frost
17	Blade 1 A	0–255	Min to Max
18	Blade 1 B	0–255	Min to Max
19	Blade 2 A	0–255	Min to Max
20	Blade 2 B	0–255	Min to Max
21	Blade 3 A	0–255	Min to Max
22	Blade 3 B	0–255	Min to Max
23	Blade 4 A	0–255	Min to Max
24	Blade 4 B	0–255	Min to Max
25	Shaper Rotation		Same as CH 37 in the mode “Extended Pan540” (p. 15)
26	Control		Same as CH 40 in the mode “Extended Pan540” (p. 15)

Mode Standard Pan630

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

The GDTF file gives these values for a console's Highlight function: CH 5 Colors 0, CH 6 Colors 2 0, CH 12 Shutter 47, CH 13 Dimmer 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Pan		Same as CH 1 in the mode “Extended Pan630” (p. 18)
2	Pan Fine	0–255	Fine adjustment of CH 1
3	Tilt		Same as CH 3 in the mode “Extended Pan540” (p. 12)
4	Tilt Fine	0–255	Fine adjustment of CH 3
5	Colors		Same as CH 5 in the mode “Extended Pan540” (p. 12)
6	Colors 2		Same as CH 6 in the mode “Extended Pan540” (p. 13)
7	Gobo		Same as CH 7 in the mode “Extended Pan540” (p. 13)
8	Gobo Rotation		Same as CH 8 in the mode “Extended Pan540” (p. 13)
9	Gobo Rotation Fine	0–255	Fine adjustment of CH 8
10	Focus	0–255	Continuous Adjustment Near to Far
11	Zoom	0–255	Zoom Adjustment Small to Big (7–42°)
12	Shutter		Same as CH 14 in the mode “Extended Pan540” (p. 14)
13	Dimmer		Same as CH 15 in the mode “Extended Pan540” (p. 14)

CH	Function	DMX	Description
14	Dimmer Fine	0–255	Fine adjustment of CH 13
15	Iris		Same as CH 15 in the mode “Standard Pan540” (p. 21)
16	Frost	0–255	Open to Full Frost
17	Blade 1 A	0–255	Min to Max
18	Blade 1 B	0–255	Min to Max
19	Blade 2 A	0–255	Min to Max
20	Blade 2 B	0–255	Min to Max
21	Blade 3 A	0–255	Min to Max
22	Blade 3 B	0–255	Min to Max
23	Blade 4 A	0–255	Min to Max
24	Blade 4 B	0–255	Min to Max
25	Shaper Rotation		Same as CH 37 in the mode “Extended Pan540” (p. 15)
26	Control		Same as CH 40 in the mode “Extended Pan540” (p. 15)

10 Technical specifications

Parameter	Value
Light	
Light source	LED
LED power	380 W
Luminous flux	11,200 lm
Color temperature	6,000 K
Color rendering index (CRI)	92
Optics	
Zoom	7–42°
Movement	
Pan	630°
Tilt	270°
Control	
RDM	yes (manufacturer ID 0x22A6, device model ID 0x0001)
Dimensions and construction	
Weight	23.3 kg
Operating environment	
Operating temperature	-10 to 45 °C

Speeds and ranges

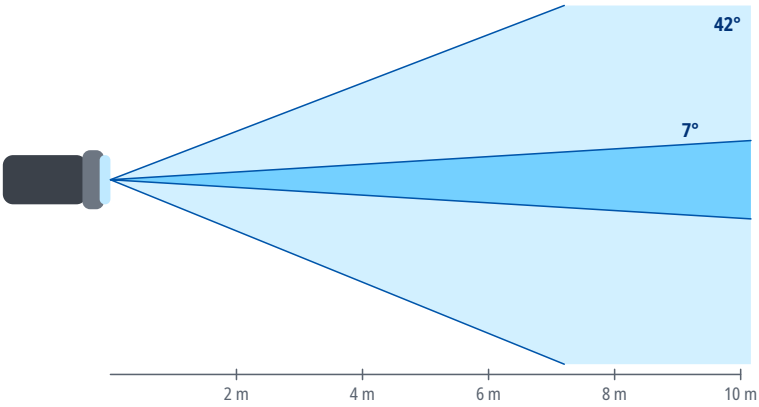
Parameter	Value
Strobe frequency	1–10 Hz
Color wheel 2 rotation	up to 360 °/s (60 rpm)
Color wheel 3 rotation	up to 360 °/s (60 rpm)
Gobo wheel rotation	up to 360 °/s (60 rpm)

Dimensions

weight 23.3 kg



Spot diameter



Distance	Ø 7°	Ø 42°
2 m	0.24 m	1.5 m
4 m	0.49 m	3.1 m
6 m	0.73 m	4.6 m
8 m	0.98 m	6.1 m
10 m	1.2 m	7.7 m
15 m	1.8 m	11.5 m

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

11 Maintenance and cleaning

- Before cleaning and maintenance, switch the device off, disconnect it from the power supply and let it cool down.
- Clean the housing with a soft, dry or slightly damp cloth. Do not use solvents, abrasive cleaners or pressure washers, and make sure no liquid gets into the device.
- Clean optical parts (lenses, front glass), if the device has any, with a soft lint-free cloth and a cleaner intended for optics or glass.
- Regularly inspect the housing, cables, connectors and fixings. Have damaged parts replaced by a service center.
- How often to clean depends on the environment; dust, smoke and fog make the device dirty much faster.

12 Troubleshooting

Problem	Remedy
The device does not switch on	Check the supply voltage, the cables and the fuse, if the device has one.
The device does not respond to DMX	Check the start address, the selected DMX mode and whether it matches the profile in the controller, the cable connection to DMX IN, and the controller output (universe).
The device behaves erratically or flickers	Check the terminator at the end of the line, the condition and wiring of the cables (shield on pin 1 only), the number of devices on the line (32 at most), and that the line is not split without a splitter.
Only some devices on the line respond	Check the cable and connectors between the last working and the first non-working device, and make sure all devices on the line are switched on.

Problem	Remedy
Devices respond to the wrong channels or affect each other	Check that the addresses do not overlap and that the DMX mode on the devices matches the patch in the controller.
The device or the connected load does not light up although it receives DMX	Check the values of the dimmer, shutter and strobe channels against the DMX channel table. For the DMX modes for which the sources state it, the chapter DMX channels gives under the mode's heading which channels must be open.
Movement is reversed	Check whether Pan/Tilt inversion is enabled in the device menu or in the controller.
Moving parts do not reach the correct position after power-on or transport	Switch the device off and on again to reset the position, and make sure the transport lock, if any, is released. If this does not help, contact a service center.
Movement is jerky	Check the value of the Pan/Tilt speed channel, if the device has one, and the stability of the DMX signal.

13 Disposal

The crossed-out wheeled bin symbol on the product, in the manual or on the packaging means that the product must not be disposed of with unsorted household waste at the end of its life.

Take the end-of-life equipment to a collection point, for example a municipal collection site or a retailer. Proper disposal enables materials to be recycled and helps prevent possible negative effects on the environment and human health.

Follow the regulations applicable in your country; in the Czech Republic, take-back is governed by Act No. 542/2020 Coll., on End-of-Life Products.

Recycle the packaging materials according to their type.