DMX REFERENCE

Vader BWS 250

Vader BWS 250（250W LED，Spot/Beam/Wash）

Favolite

Manufacturer	Favolite
GDTF file	Favolite_Vader_BWS_250_168845.gdtf
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Contents

1 About this manual 2
2 Quick reference 3
3 Safety instructions 4
4 Product description 5
5 Installation 6
6 Connections 6
7 Operation 7
8 Functions at a glance 8
9 DMX channels 10
Mode Basic-18CH 10
Mode Standard-24CH 15
10 Technical specifications 18
11 Maintenance and cleaning 19
12 Troubleshooting 19
13 Disposal 20

1 About this manual

This document describes the Vader BWS 250 (250W LED, Spot/Beam/Wash) by Favolite. It was compiled from the GDTF file Favolite_Vader_BWS_250_168845.gdtf from the GDTF-Share library.

File revision: “20261111, 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 Favolite; 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
Power consumption	800 W
Weight	12 kg

DMX modes

Mode	Channels	Units in one universe	First start addresses
Basic-18CH	18	28	1, 19, 37, 55, ...
Standard-24CH	24	21	1, 25, 49, 73, ...

No light? Check these channels

- Basic-18CH: CH 9 Dimmer above 0; CH 10 Shutter at 0–3 “Open” or 4–67 or 100–131
- Standard-24CH: CH 9 Dimmer above 0; CH 11 Shutter at 0–3 “Open” or 4–67 or 100–131


Read the manual before use


Risk of electric shock


Do not stare into the light


Indoor use only

3 Safety instructions


Read the manual before use


Risk of electric shock


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

- Connect the device only to a properly installed mains outlet with a protective earth (ground) contact. The outlet or other means of disconnection must remain easily accessible.
- Power supply: 100–240 V, 50/60 Hz. Before connecting, make sure that the mains voltage matches this value and the value on the rating plate of the device.
- Do not connect the device to a dimmer or to a dimmed circuit.
- Use only the original power cable or a cable with identical ratings. Protect the cable from damage, do not run it over sharp edges, and never unplug it by pulling on the cable.
- When connecting several devices to one circuit, do not exceed its permitted load.
- Do not touch the device with wet hands.

⚠ 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

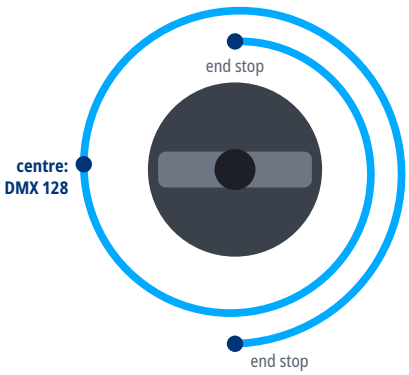
Description in the GDTF file

- 1. High brightness, 67,800Lux@5m, 3.8°
- 2. Really quiet, suitable for the noise-sensitive
- application, like theater
- 3. Super smooth dimmer, dimmer curve,
- flicker-free function
- 4. Auto-focus function
- 5. Compact structure and small size: 12KG

Range of movement

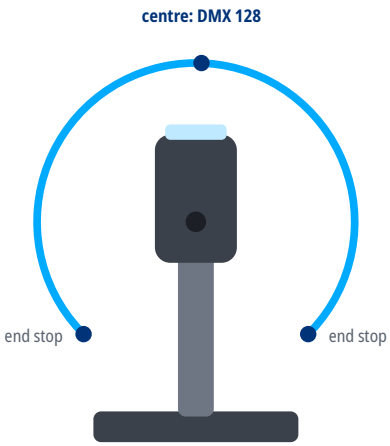
Pan 540°

top view



Tilt 270°

side view



5 Installation

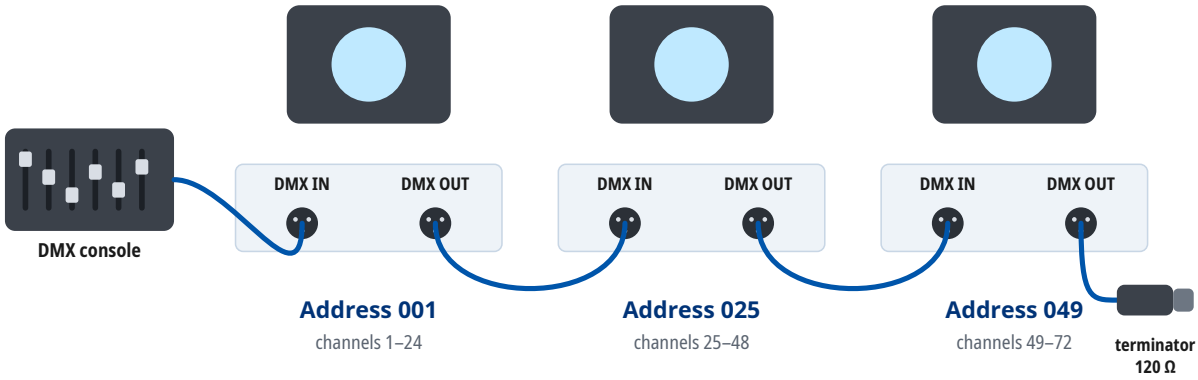
⚠ WARNING

- 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: 12 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 Standard-24CH: every unit occupies 24 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

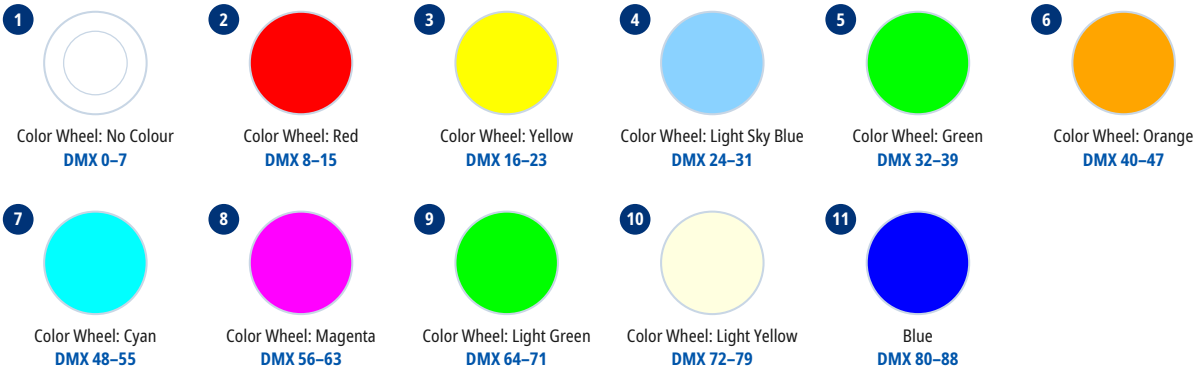
- The device occupies as many consecutive channels in the DMX universe as the selected DMX mode uses, starting at the set start address.
- Number of channels occupied in the DMX mode “Standard-24CH”: 24.
- Choose start addresses so that the channels of individual devices do not overlap and the last occupied 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 “Standard-24CH”, you can use, for example, the start addresses 1, 25, 49, 73.
- The DMX mode set on the device must match the fixture profile (personality) used in the controller.

8 Functions at a glance

Functions in each DMX mode

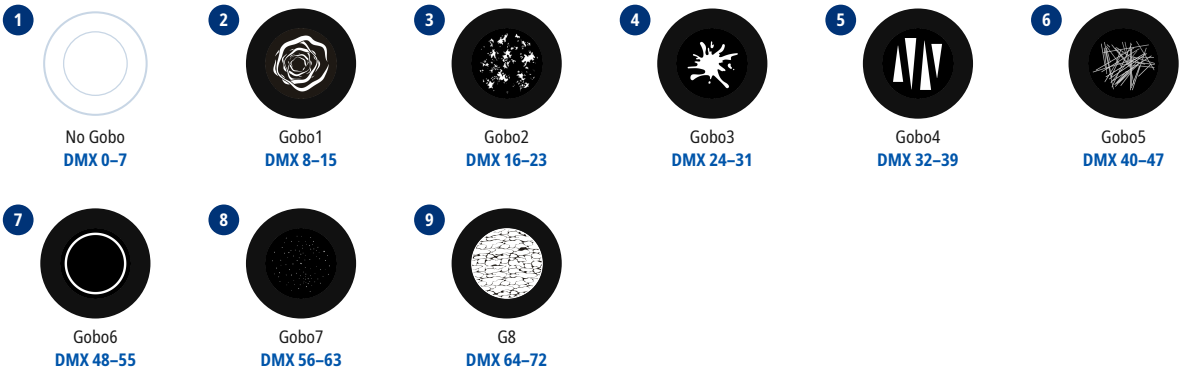
	Basic-18CH 18 channels	Standard-24CH 24 channels
Pan / Tilt	1, 3	1, 3
Dimmer	9	9
Dimmer resolution	8 bit	16 bit
Shutter / strobe	10	11
Color wheel	5	5
Gobo wheel	6, 7	6, 7
Gobo rotation	8	8
Prism	12, 13	14, 15
Frost	16	22
Zoom	14	16
Focus	15	18, 20

Color wheel



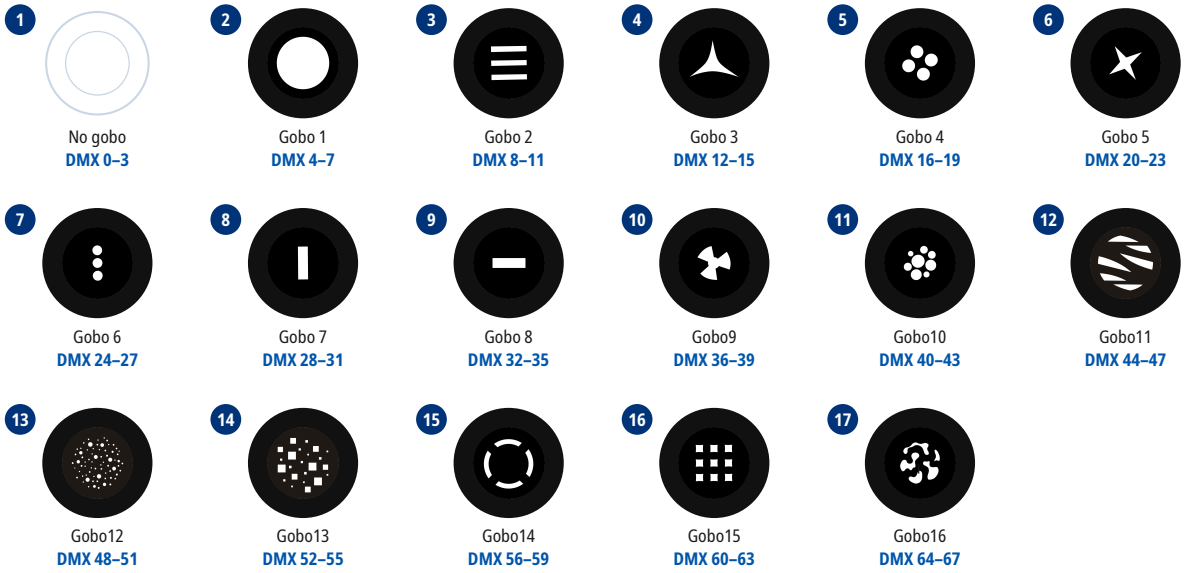
1. Color Wheel: No Colour — DMX 0–7
2. Color Wheel: Red — DMX 8–15
3. Color Wheel: Yellow — DMX 16–23
4. Color Wheel: Light Sky Blue — DMX 24–31
5. Color Wheel: Green — DMX 32–39
6. Color Wheel: Orange — DMX 40–47
7. Color Wheel: Cyan — DMX 48–55
8. Color Wheel: Magenta — DMX 56–63
9. Color Wheel: Light Green — DMX 64–71
10. Color Wheel: Light Yellow — DMX 72–79
11. Blue — DMX 80–88

Gobo wheel 1



1. No Gobo — DMX 0–7
2. Gobo1 — DMX 8–15
3. Gobo2 — DMX 16–23
4. Gobo3 — DMX 24–31
5. Gobo4 — DMX 32–39
6. Gobo5 — DMX 40–47
7. Gobo6 — DMX 48–55
8. Gobo7 — DMX 56–63
9. G8 — DMX 64–72

Gobo wheel 2



1 No gobo **DMX 0–3**
2 Gobo 1 **DMX 4–7**
3 Gobo 2 **DMX 8–11**
4 Gobo 3 **DMX 12–15**
5 Gobo 4 **DMX 16–19**
6 Gobo 5 **DMX 20–23**
7 Gobo 6 **DMX 24–27**
8 Gobo 7 **DMX 28–31**
9 Gobo 8 **DMX 32–35**
10 Gobo9 **DMX 36–39**
11 Gobo10 **DMX 40–43**
12 Gobo11 **DMX 44–47**
13 Gobo12 **DMX 48–51**
14 Gobo13 **DMX 52–55**
15 Gobo14 **DMX 56–59**
16 Gobo15 **DMX 60–63**
17 Gobo16 **DMX 64–67**

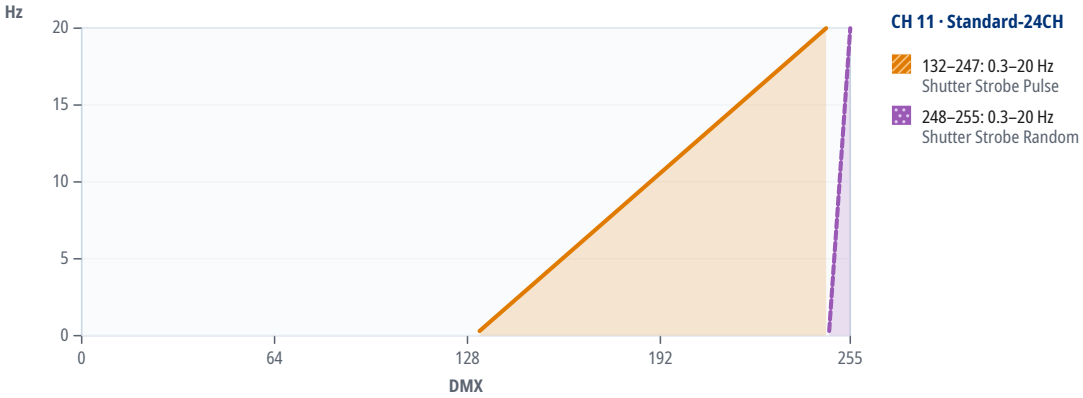
Prism



1 1 facet
No Prism
DMX 0–31

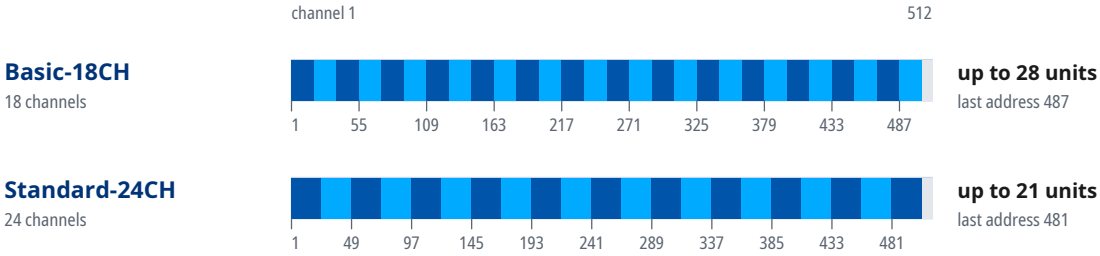
2 4 facets
Prism1 On
DMX 32–255

Strobe rate



9 DMX channels

Units in one DMX universe



Start addresses of 20 units in the mode “Standard-24CH”

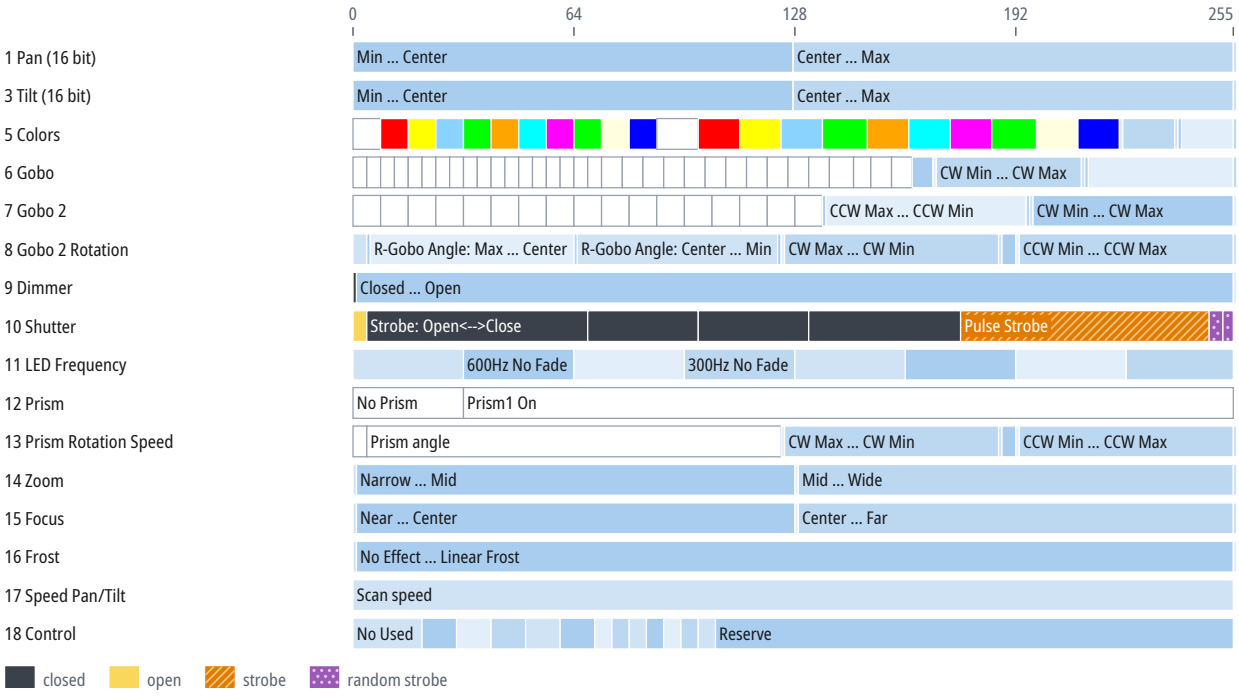
Unit	Start address	Unit	Start address	Unit	Start address	Unit	Start address
1	1	6	121	11	241	16	361
2	25	7	145	12	265	17	385
3	49	8	169	13	289	18	409
4	73	9	193	14	313	19	433
5	97	10	217	15	337	20	457

Mode Basic-18CH

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

If the device receives DMX in this mode but gives no light, check these channels: CH 9 Dimmer above 0; CH 10 Shutter at 0–3 “Open” or 4–67 or 100–131. The GDTF file gives these values for a console's Highlight function: CH 9 Dimmer 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Pan	0–127	Min … 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	0–7	White
		8–15	Color Wheel: Red
		16–23	Color Wheel: Yellow
		24–31	Color Wheel: Light Sky Blue
		32–39	Color Wheel: Green
		40–47	Color Wheel: Orange
		48–55	Color Wheel: Cyan
		56–63	Color Wheel: Magenta
		64–71	Color Wheel: Light Green
		72–79	Color Wheel: Light Yellow
		80–87	Color Wheel: Blue
		88–99	No Colour
		100–111	Colour Arbitrary Positioning: Red
		112–123	Colour Arbitrary Positioning: Yellow
		124–135	Colour Arbitrary Positioning: Light Sky Blue
		136–148	Colour Arbitrary Positioning: Green
		149–160	Colour Arbitrary Positioning: Orange
		161–172	Colour Arbitrary Positioning: Cyan
		173–184	Colour Arbitrary Positioning: Magenta
		185–197	Colour Arbitrary Positioning: Light Green
		198–209	Colour Arbitrary Positioning: Light Yellow
		210–221	Colour Arbitrary Positioning: Blue
		222	CW Max
		223–237	CW Max … CW Min
		238	CW Min
		239	CCW Min
		240–254	CCW Min … CCW Max
		255	CCW Max
6	Gobo	0–3	No gobo
		4–7	Gobo 1
		8–11	Gobo 2
		12–15	Gobo 3
		16–19	Gobo 4

CH	Function	DMX	Description
6	Gobo (continued)	20–23	Gobo 5
		24–27	Gobo 6
		28–31	Gobo 7
		32–35	Gobo 8
		36–39	Gobo9
		40–43	Gobo10
		44–47	Gobo11
		48–51	Gobo12
		52–55	Gobo13
		56–59	Gobo14
		60–63	Gobo15
		64–67	Gobo16
		68–71	No gobo
		72–77	Gobo 1 Shake Slow-Fast (1–30 Hz)
		78–83	Gobo 2 Shake Slow-Fast (1–30 Hz)
		84–89	Gobo 3 Shake Slow-Fast (1–30 Hz)
		90–95	Gobo 4 Shake Slow-Fast (1–30 Hz)
		96–101	Gobo 5 Shake Slow-Fast (1–30 Hz)
		102–107	Gobo 6 Shake Slow-Fast (1–30 Hz)
		108–113	Gobo 7 Shake Slow-Fast (1–30 Hz)
		114–119	Gobo 8 Shake Slow-Fast (1–30 Hz)
		120–125	Gobo 9 Shake Slow-Fast (1–30 Hz)
		126–131	Gobo 10 Shake Slow-Fast (1–30 Hz)
		132–137	Gobo 11 Shake Slow-Fast (1–30 Hz)
		138–144	Gobo 12 Shake Slow-Fast (1–30 Hz)
		145–149	Gobo 13 Shake Slow-Fast (1–30 Hz)
		150–155	Gobo 14 Shake Slow-Fast (1–30 Hz)
		156–161	Gobo 15 Shake Slow-Fast (1–30 Hz)
		162–167	Gobo Shake
		168	CW Min
		169–210	CW Min ... CW Max
		211	CW Max
		212	CCW Max
		213–254	CCW Max ... CCW Min
		255	CCW Min
7	Gobo 2	0–7	No Gobo
		8–15	Gobo1
		16–23	Gobo2
		24–31	Gobo3
		32–39	Gobo4
		40–47	Gobo5
		48–55	Gobo6

CH	Function	DMX	Description
7	Gobo 2 (continued)	56–71	Gobo7
		72–79	Gobo 1 Shake Slow-Fast (1–30 Hz)
		80–87	Gobo 2 Shake Slow-Fast (1–30 Hz)
		88–95	Gobo 3 Shake Slow-Fast (1–30 Hz)
		96–103	Gobo 4 Shake Slow-Fast (1–30 Hz)
		104–111	Gobo 5 Shake Slow-Fast (1–30 Hz)
		112–119	Gobo 6 Shake Slow-Fast (1–30 Hz)
		120–127	Gobo 7 Shake Slow-Fast (1–30 Hz)
		128–135	Gobo 8 Shake Slow-Fast (1–30 Hz)
		136	CCW Max
		137–194	CCW Max ... CCW Min
		195	CCW Min
		196	CW Min
		197–254	CW Min ... CW Max
		255	CW Max
8	Gobo 2 Rotation	0–3	No Effect
		4	R-Gobo Angle: Max
		5–63	R-Gobo Angle: Max ... Center
		64	R-Gobo Angle: Center
		65–122	R-Gobo Angle: Center ... Min
		123	R-Gobo Angle: Min
		124	CW Max
		125–186	CW Max ... CW Min
		187	CW Min
		188–191	Gobo 2 Pos Rotate: Stop
		192	CCW Min
		193–254	CCW Min ... CCW Max
		255	CCW Max
9	Dimmer	0	Closed
		1–254	Closed ... Open
		255	Open
10	Shutter	0–3	Strobe: Open
		4–67	Strobe: Open<-->Close
		68–99	Strobe: Close->Open
		100–131	Strobe: Open->Close
		132–175	Half Open And Half Close (0.5–1.5 Hz)
		176–247	Pulse Strobe (0.3–20 Hz)
		248–251	Synchronous Random Strobe (0.3–20 Hz)
		252–255	Asynchronous Random Strobe (0.3–20 Hz)
11	LED Frequency		Dimmer Frequency and Speed
		0–31	600Hz Auto Fade
		32–63	600Hz No Fade

CH	Function	DMX	Description
11	LED Frequency (continued)	64–95	300Hz Auto Fade
		96–127	300Hz No Fade
		128–159	1200Hz Auto Fade
		160–191	1200Hz No Fade
		192–223	8333Hz Auto Fade
		224–255	8333Hz No Fade
12	Prism		8-face Prism
		0–31	No Prism
		32–255	Prism1 On
13	Prism Rotation Speed	0–3	Prism Stop
		4–123	Prism angle (360°)
		124	CW Max
		125–186	CW Max ... CW Min
		187	CW Min
		188–191	Prism 1 Pos Rotate: Stop
		192	CCW Min
		193–254	CCW Min ... CCW Max
		255	CCW Max
14	Zoom	0	Narrow
		1–127	Narrow ... Mid
		128	Mid
		129–254	Mid ... Wide
		255	Wide
15	Focus	0	Near
		1–127	Near ... Center
		128	Center
		129–254	Center ... Far
		255	Far
16	Frost		Linear Frost
		0	No Effect
		1–254	No Effect ... Linear Frost
		255	Linear Frost
17	Speed Pan/Tilt		Scan speed
		0–255	Scan speed
18	Control	0–19	No Used
		20–29	Reset All
		30–39	Reset Pan Tilt
		40–49	Reset Colour Gobo Cmy Cto
		50–59	Reset Zoom Focus Prism Frost
		60–69	No Effect
		70–74	Display Default
		75–79	Display Off(Don'T Keep After Shutdown)

CH	Function	DMX	Description
18	Control (continued)	80–84	Display On(Don'T Keep After Shutdown)
		85–89	Fan Speed Low(Keep After Shutdown)
		90–94	Fan Speed Medium(Keep After Shutdown)
		95–99	Fan Speed High(Keep After Shutdown)
		100–104	Fan Speed Super Low(Keep After Shutdown)
		105–255	Reserve

Mode Standard-24CH

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

If the device receives DMX in this mode but gives no light, check these channels: CH 9 Dimmer above 0; CH 11 Shutter at 0–3 “Open” or 4–67 or 100–131. The GDTF file gives these values for a console's Highlight function: CH 9 Dimmer 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Pan		Same as CH 1 in the mode “Basic-18CH” (p. 11)
2	Pan Fine	0–255	Fine adjustment of CH 1
3	Tilt		Same as CH 3 in the mode “Basic-18CH” (p. 11)
4	Tilt Fine	0–255	Fine adjustment of CH 3
5	Colors	0–7	Color Wheel: No Colour
		8–15	Color Wheel: Red
		16–23	Color Wheel: Yellow
		24–31	Color Wheel: Light Sky Blue
		32–39	Color Wheel: Green

CH	Function	DMX	Description
5	Colors (continued)	40–47	Color Wheel: Orange
		48–55	Color Wheel: Cyan
		56–63	Color Wheel: Magenta
		64–71	Color Wheel: Light Green
		72–79	Color Wheel: Light Yellow
		80–87	Color Wheel: Blue
		88–99	Colour Arbitrary Positioning: No Colour
		100–111	Colour Arbitrary Positioning: Red
		112–123	Colour Arbitrary Positioning: Yellow
		124–135	Colour Arbitrary Positioning: Light Sky Blue
		136–148	Colour Arbitrary Positioning: Green
		149–160	Colour Arbitrary Positioning: Orange
		161–172	Colour Arbitrary Positioning: Cyan
		173–184	Colour Arbitrary Positioning: Magenta
		185–197	Colour Arbitrary Positioning: Light Green
		198–209	Colour Arbitrary Positioning: Light Yellow
		210–221	Colour Arbitrary Positioning: Blue
		222	CW Max
		223–237	CW Max ... CW Min
		238	CW Min
		239	CCW Min
		240–254	CCW Min ... CCW Max
		255	CCW Max
6	Gobo		Same as CH 6 in the mode “Basic-18CH” (p. 11)
7	Gobo 2		Same as CH 7 in the mode “Basic-18CH” (p. 12)
8	Gobo 2 Rotation		Same as CH 8 in the mode “Basic-18CH” (p. 13)
9	Dimmer	0–255	Closed ... Open
		255	Open
10	Dimmer Fine	0–255	Fine adjustment of CH 9
11	Shutter		Same as CH 10 in the mode “Basic-18CH” (p. 13)
12	LED Frequency		Same as CH 11 in the mode “Basic-18CH” (p. 13)
13	Dimmer Curve	0–31	Square Law
		32–63	Linear
		64–95	Inverse Square Law
		96–127	S-Curve
		128–255	Reserve
14	Prism		Same as CH 12 in the mode “Basic-18CH” (p. 14)
15	Prism Rotation Speed		Same as CH 13 in the mode “Basic-18CH” (p. 14)
16	Zoom	0–128	Narrow ... Mid
		128–255	Mid ... Wide
		255	Wide
17	Zoom Fine	0–255	Fine adjustment of CH 16

CH	Function	DMX	Description
18	Focus	0–128	Near ... Center
		128–255	Center ... Far
		255	Far
19	Focus Fine	0–255	Fine adjustment of CH 18
20	Focus Distance		Auto focus distance
		0–3	Do Not Use Auto Focus
		4–63	5M
		64–127	7M50CM
		128–191	10M
		192–255	15M
21	Focus Distance Fine	0–255	Fine adjustment of CH 20
22	Frost		Same as CH 16 in the mode “Basic-18CH” (p. 14)
23	Speed Pan/Tilt		Same as CH 17 in the mode “Basic-18CH” (p. 14)
24	Control		Same as CH 18 in the mode “Basic-18CH” (p. 14)

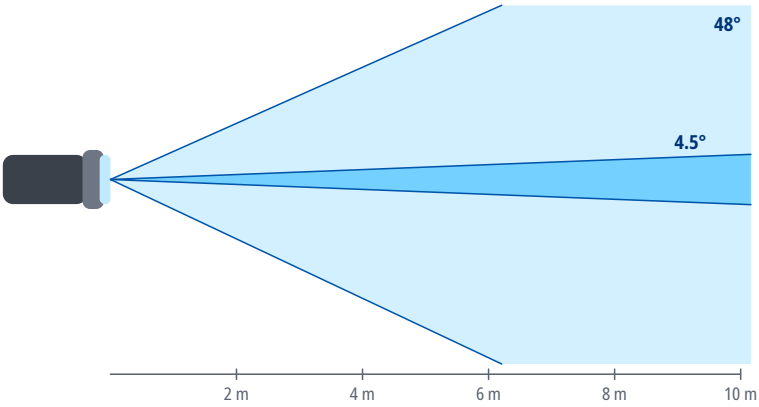
10 Technical specifications

Parameter	Value
Light	
Light source	LED
LED power	550 W
Luminous flux	22,203 lm
Color temperature	6,800 K
Color rendering index (CRI)	70
Optics	
Zoom	4.5–48°
Movement	
Pan	540°
Tilt	270°
Control	
DMX connection	3-pin XLR IN/OUT
RJ45 connectors	RJ45 IN
Electrical	
Power supply	100–240 V, 50/60 Hz
Power consumption	800 W
Power connectors	powerCON TRUE1 IN
Dimensions and construction	
Weight	12 kg
Operating environment	
Operating temperature	-10 to 40 °C

Speeds and ranges

Parameter	Value
LED frequency	300–8333 Hz
Color wheel rotation	up to 300 °/s (50 rpm)
Gobo wheel 1 rotation	up to 300 °/s (50 rpm)
Gobo wheel 2 rotation	up to 300 °/s (50 rpm)
Gobo 1 rotation	up to 300 °/s (50 rpm)
Prism rotation	up to 300 °/s (50 rpm)

Spot diameter



Distance	Ø 4.5°	Ø 48°
2 m	0.16 m	1.8 m
4 m	0.31 m	3.6 m
6 m	0.47 m	5.3 m
8 m	0.63 m	7.1 m
10 m	0.79 m	8.9 m
15 m	1.2 m	13.4 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.
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.