DMX REFERENCE

STORM XT52

Aputure

Manufacturer	Aputure
GDTF file	Aputure_Storm_XT52_151837.gdtf
GDTF revision	Add LTD CCT+RGB+ACC · 2026-07-22
Generated	2026-11-23

Contents

1 About this manual 2
2 Quick reference 3
3 Safety instructions 4
4 Installation 5
5 Connections 5
6 Operation 6
7 Functions at a glance 6
8 DMX channels 7
Mode CCT+ 8bit Mode 8
Mode CCT+ 16bit Mode 8
Mode CCT+Control 8bit Mode 9
Mode CCT+Control 16bit Mode 11
Mode CCT+ Control /FX -8bit Mode 12
Mode CCT+Control/FX 16bit Mode 15
Mode xy 8bit Mode 16
Mode xy 16bit Mode 16
Mode xy+Control 8bit Mode 17
Mode xy+Control 16bit Mode 17
Mode xy+Control/FX 8bit Mode 18
Mode xy+Control/FX 16bit Mode 19
Mode Limited HSIC+ 8bit Mode 20
Mode Limited HSIC+ 16bit Mode 20
Mode Limited HSIC+Control 8bit Mode 21
Mode Limited HSIC+Control 16bit Mode 22
Mode CCT+ ACC 8bit Mode 23
Mode CCT+ACC 16bit Mode 23
Mode CCT+Control/ACC 8bit Mode 24
Mode CCT+Control/ACC 16bit Mode 24
Mode CCT+Control/ACC/FX 8bit Mode 25
Mode CCT+Control/ACC/FX 16bit Mode 26
Mode xy/ACC 8bit Mode 27
Mode xy/ACC 16bit Mode 27
Mode xy+Control/ACC 8bit Mode 28
Mode xy+Control/ACC 16bit Mode 28
Mode xy+Control/ACC/FX 8bit Mode 29
Mode xy+Control/ACC/FX 16bit Mode 30
Mode Limited HSIC+ ACC 8bit Mode 31
Mode Limited HSIC+ ACC 16bit Mode 31
Mode Limited HSIC+Control/ACC 8bit Mode 32
Mode Limited HSIC+Control/ACC 16bit Mode 33
Mode Limited CCT and RGB+Control/ACC 16... 34
9 Technical specifications 35
10 Maintenance and cleaning 35
11 Troubleshooting 35
12 Disposal 36

1 About this manual

This document describes the STORM XT52 by Aputure. It was compiled from the GDTF file Aputure_Storm_XT52_151837.gdtf from the GDTF-Share library.

File revision: “Add LTD CCT+RGB+ACC”.

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 Aputure; 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	28 kg

DMX modes

Mode	Channels	Units in one universe	First start addresses
CCT+ 8bit Mode	3	170	1, 4, 7, 10, ...
CCT+ 16bit Mode	6	85	1, 7, 13, 19, ...
CCT+Control 8bit Mode	6	85	1, 7, 13, 19, ...
CCT+Control 16bit Mode	9	56	1, 10, 19, 28, ...
CCT+ Control /FX -8bit Mode	10	51	1, 11, 21, 31, ...
CCT+Control/FX 16bit Mode	13	39	1, 14, 27, 40, ...
xy 8bit Mode	3	170	1, 4, 7, 10, ...
xy 16bit Mode	6	85	1, 7, 13, 19, ...
xy+Control 8bit Mode	6	85	1, 7, 13, 19, ...
xy+Control 16bit Mode	9	56	1, 10, 19, 28, ...
xy+Control/FX 8bit Mode	10	51	1, 11, 21, 31, ...
xy+Control/FX 16bit Mode	13	39	1, 14, 27, 40, ...
Limited HSIC+ 8bit Mode	5	102	1, 6, 11, 16, ...
Limited HSIC+ 16bit Mode	10	51	1, 11, 21, 31, ...
Limited HSIC+Control 8bit Mode	8	64	1, 9, 17, 25, ...
Limited HSIC+Control 16bit Mode	13	39	1, 14, 27, 40, ...
CCT+ ACC 8bit Mode	4	128	1, 5, 9, 13, ...
CCT+ACC 16bit Mode	8	64	1, 9, 17, 25, ...
CCT+Control/ACC 8bit Mode	7	73	1, 8, 15, 22, ...
CCT+Control/ACC 16bit Mode	11	46	1, 12, 23, 34, ...
CCT+Control/ACC/FX 8bit Mode	11	46	1, 12, 23, 34, ...
CCT+Control/ACC/FX 16bit Mode	15	34	1, 16, 31, 46, ...
xy/ACC 8bit Mode	4	128	1, 5, 9, 13, ...
xy/ACC 16bit Mode	8	64	1, 9, 17, 25, ...
xy+Control/ACC 8bit Mode	7	73	1, 8, 15, 22, ...
xy+Control/ACC 16bit Mode	11	46	1, 12, 23, 34, ...
xy+Control/ACC/FX 8bit Mode	11	46	1, 12, 23, 34, ...
xy+Control/ACC/FX 16bit Mode	15	34	1, 16, 31, 46, ...
Limited HSIC+ ACC 8bit Mode	6	85	1, 7, 13, 19, ...
Limited HSIC+ ACC 16bit Mode	12	42	1, 13, 25, 37, ...
Limited HSIC+Control/ACC 8bit Mode	9	56	1, 10, 19, 28, ...
Limited HSIC+Control/ACC 16bit Mode	15	34	1, 16, 31, 46, ...
Limited CCT and RGB+Control/ACC 16bit Mode 1	19	26	1, 20, 39, 58, ...


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.

4 Installation

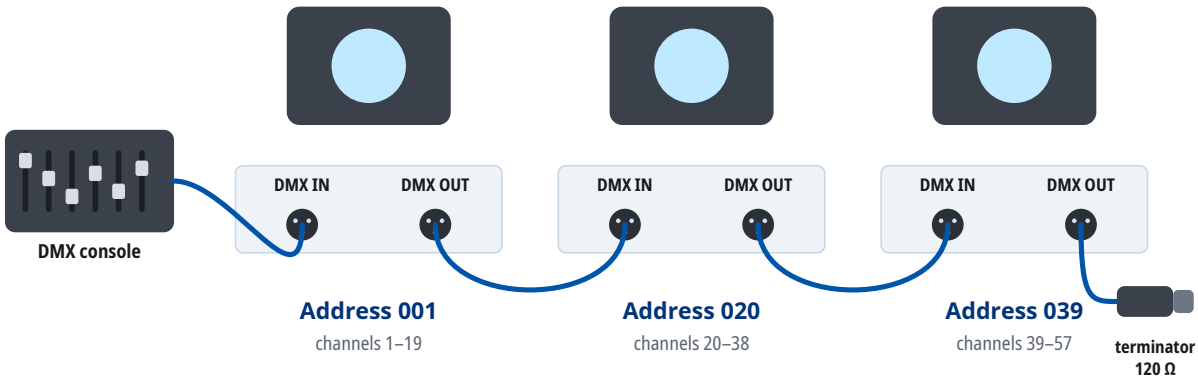
⚠ WARNING

- 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: 28 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 Limited CCT and RGB+Control/ACC 16bit Mode 1: every unit occupies 19 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 “Limited CCT and RGB+Control/ACC 16bit Mode 1”: 19.
- 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 “Limited CCT and RGB+Control/ACC 16bit Mode 1”, you can use, for example, the start addresses 1, 20, 39, 58.
- The DMX mode set on the device must match the fixture profile (personality) used in the controller.

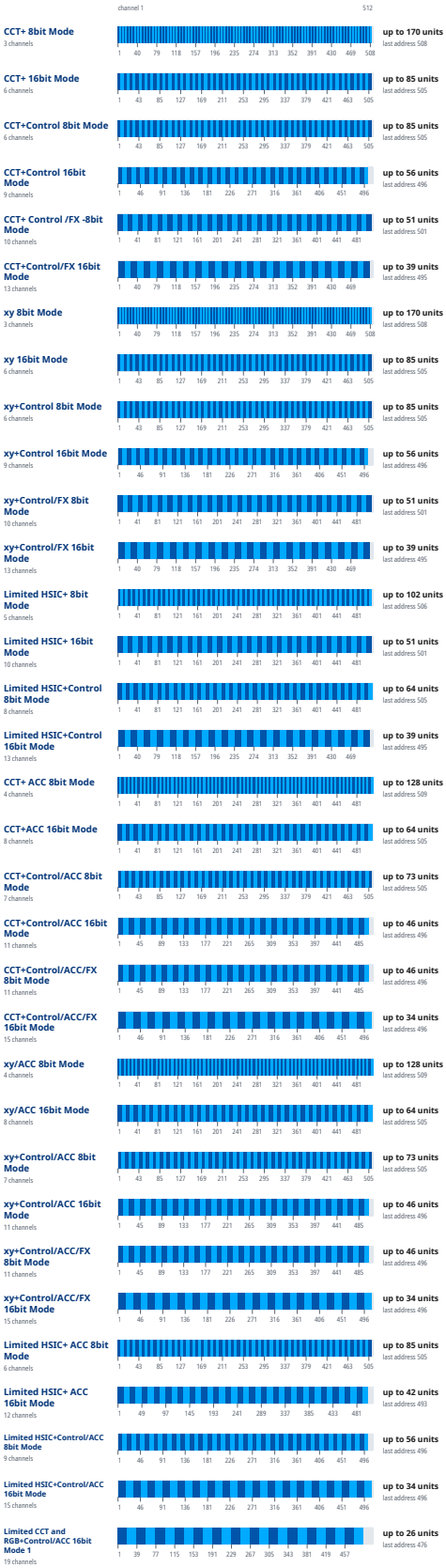
7 Functions at a glance

Functions in each DMX mode

	CCT+ 8bit Mode 3 channels	CCT+ 16bit Mode 6 channels	CCT+Control 8bit Mode 6 channels	CCT+Control 16bit Mode 9 channels	CCT+ Control /FX -8bit Mode 10 channels	CCT+Control/FX 16bit Mode 13 channels	xy 8bit Mode 3 channels	xy 16bit Mode 6 channels
Dimmer	1	1	1	1	1	1	1	1
Dimmer resolution	8 bit	16 bit	8 bit	16 bit	8 bit	16 bit	8 bit	16 bit
Shutter / strobe			4	7	4	7		
Color temperature	2	3	2	3	2	3		

8 DMX channels

Units in one DMX universe



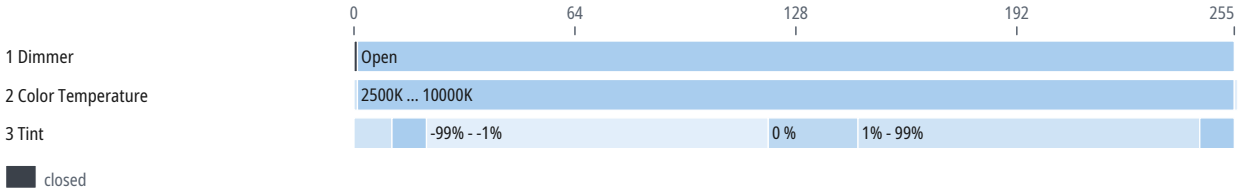
Start addresses of 20 units in the mode “Limited CCT and RGB+Control/ACC 16bit Mode 1”

Unit	Start address	Unit	Start address	Unit	Start address	Unit	Start address
1	1	6	96	11	191	16	286
2	20	7	115	12	210	17	305
3	39	8	134	13	229	18	324
4	58	9	153	14	248	19	343
5	77	10	172	15	267	20	362

Mode CCT+ 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



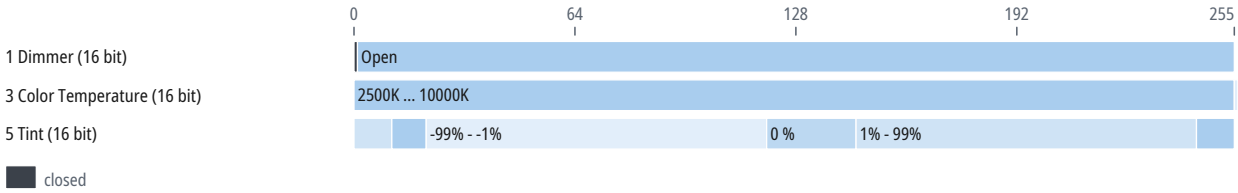
CH	Function	DMX	Description
1	Dimmer	0	Closed
		1–255	Open
2	Color Temperature	0	2500K
		1–254	2500K ... 10000K
		255	10000K
3	Tint	0–10	Neutral / No Effect
		11–20	Full Minus Green
		21–119	-99% - -1%
		120–145	0 %
		146–244	1% - 99%
		245–255	Full Plus Green

Mode CCT+ 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance

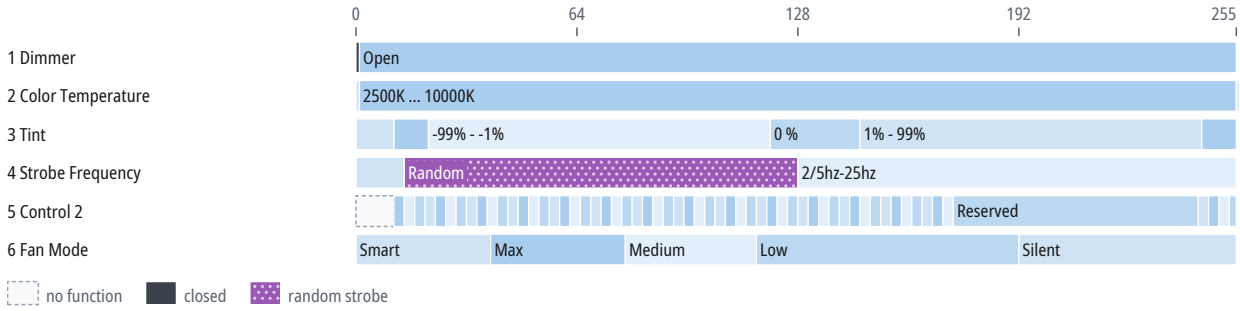


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	2500K ... 10000K
		255	10000K
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
6	Tint Fine	0–255	Fine adjustment of CH 5

Mode CCT+Control 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 4 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Color Temperature		Same as CH 2 in the mode “CCT+ 8bit Mode” (p. 8)
3	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
4	Strobe Frequency	0–13	No effect
		14–127	Random
		128–255	2/5hz-25hz
5	Control 2	0–10	No function
		11–13	Signal Flash On
		14–16	Signal Flash Off
		17–19	Sidus BT On
		20–22	Sidus BT Off
		23–25	Sidus BT Reset
		26–28	DMX Smoothing Off
		29–31	DMX Smoothing Smooth
		32–34	DMX Smoothing Super Smooth
		35–37	DMX Smoothing Feather
		38–40	CRMX On
		41–43	CRMX Off

CH	Function	DMX	Description
5	Control 2 (continued)	44–46	CRMX unlink
		47–49	CRMX Link
		50–52	CRMX Mode RX
		53–55	CRMX Mode TX
		56–58	RDM off
		59–61	RDM on
		62–64	High Speed Mode On
		65–67	High Speed Mode Off
		68–70	Constant Output
		71–73	Maximum Output
		74–76	Studio Mode ON
		77–79	Studio Mode OFF
		80–82	Turn On Fan DMX Control Channel
		83–85	Turn Off Fan DMX Control Channel
		86–88	Lamp Battery Runtime Max
		89–91	Lamp Battery Runtime Option 2
		92–94	Lamp Battery Runtime Option 3
		95–97	Lamp Battery Runtime Option 4
		98–100	Dim curve Linear
		101–103	Dim curve Exponential
		104–106	Dim curve Logarithmic
		107–109	Dim curve S-Curve
		110–112	Frequency +0 Hz
		113–115	Frequency +100 Hz
		116–118	Frequency +200 Hz
		119–121	Frequency +300 Hz
		122–124	Frequency +400 Hz
		125–127	Frequency +500 Hz
		128–130	Frequency +600 Hz
		131–133	Frequency +700 Hz
		134–136	Frequency +800 Hz
		137–139	Frequency +900 Hz
		140–142	Frequency +1000 Hz
		143–145	Frequency +1100 Hz
		146–148	Frequency +1200 Hz
		149–151	Frequency +1300 Hz
		152–154	Frequency +1400 Hz
		155–157	Frequency +1500 Hz
		158–160	Frequency +1600 Hz
		161–163	Frequency +1700 Hz
		164–166	Frequency +1800 Hz

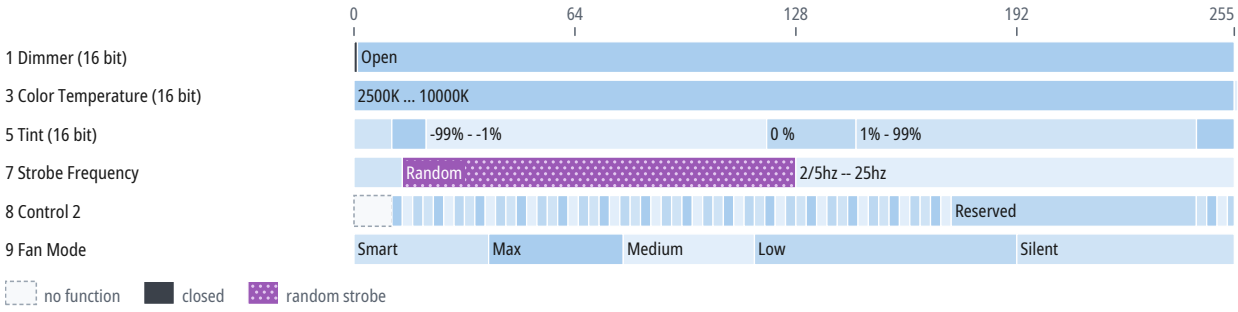
CH	Function	DMX	Description
5	Control 2 (continued)	167–169	Frequency +1900 Hz
		170–172	Frequency +2000 Hz
		173–243	Reserved
		244–246	CIE Daylight
		247–249	Blackbody
		250–252	Turn On Control Channel
		253–255	Turn off Control Channel
6	Fan Mode	0–38	Smart
		39–77	Max
		78–115	Medium
		116–191	Low
		192–255	Silent

Mode CCT+Control 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 7 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance

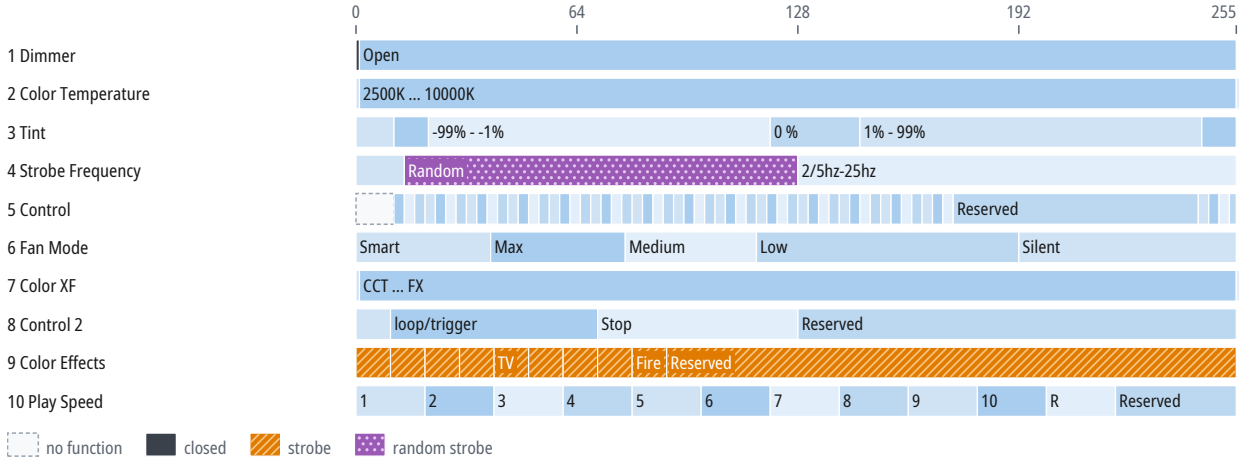


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “CCT+ 16bit Mode” (p. 9)
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Strobe Frequency	0–13	No effect
		14–127	Random
		128–255	2/5hz -- 25hz
8	Control 2		Same as CH 5 in the mode “CCT+Control 8bit Mode” (p. 9)
9	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)

Mode CCT+ Control /FX -8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 4 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Color Temperature		Same as CH 2 in the mode “CCT+ 8bit Mode” (p. 8)
3	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
4	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
5	Control	0–10	No function
		11–13	Signal Flash On
		14–16	Signal Flash Off
		17–19	Sidus BT On
		20–22	Sidus BT Off
		23–25	Sidus BT Reset
		26–28	DMX Smoothing Off
		29–31	DMX Smoothing Smooth
		32–34	DMX Smoothing Super Smooth
		35–37	DMX Smoothing Feather
		38–40	CRMX On
		41–43	CRMX Off
		44–46	CRMX unlink
		47–49	CRMX Link
		50–52	CRMX Mode RX
		53–55	CRMX Mode TX
		56–58	RDM off
		59–61	RDM on
		62–64	High Speed Mode On
		65–67	High Speed Mode Off

CH	Function	DMX	Description
5	Control (continued)	68–70	Constant Output
		71–73	Maximum Output
		74–76	Studio Mode ON
		77–79	Studio Mode OFF
		80–82	Turn On Fan DMX Control Channel
		83–85	Turn Off Fan DMX Control Channel
		86–88	Lamp Battery Runtime Max
		89–91	Lamp Battery Runtime Option 2
		92–94	Lamp Battery Runtime Option 3
		95–97	Lamp Battery Runtime Option 4
		98–100	Dim curve Linear
		101–103	Dim curve Exponential
		104–106	Dim curve Logarithmic
		107–109	Dim curve S-Curve
		110–112	Frequency +0 Hz
		113–115	Frequency +100 Hz
		116–118	Frequency +200 Hz
		119–121	Frequency +300 Hz
		122–124	Frequency +400 Hz
		125–127	Frequency +500 Hz
		128–130	Frequency +600 Hz
		131–133	Frequency +700 Hz
		134–136	Frequency +800 Hz
		137–139	Frequency +900 Hz
		140–142	Frequency +1000 Hz
		143–145	Frequency +1100 Hz
		146–148	Frequency +1200 Hz
		149–151	Frequency +1300 Hz
		152–154	Frequency +1400 Hz
		155–157	Frequency +1500 Hz
		158–160	Frequency +1600 Hz
		161–163	Frequency +1700 Hz
		164–166	Frequency +1800 Hz
		167–169	Frequency +1900 Hz
		170–172	Frequency +2000 Hz
		173–243	Reserved
		244–246	CIE Daylight
		247–249	Blackbody
		250–252	Turn On Control Channel
		253–255	Turn off Control Channel
6	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
7	Color XF	0	CCT

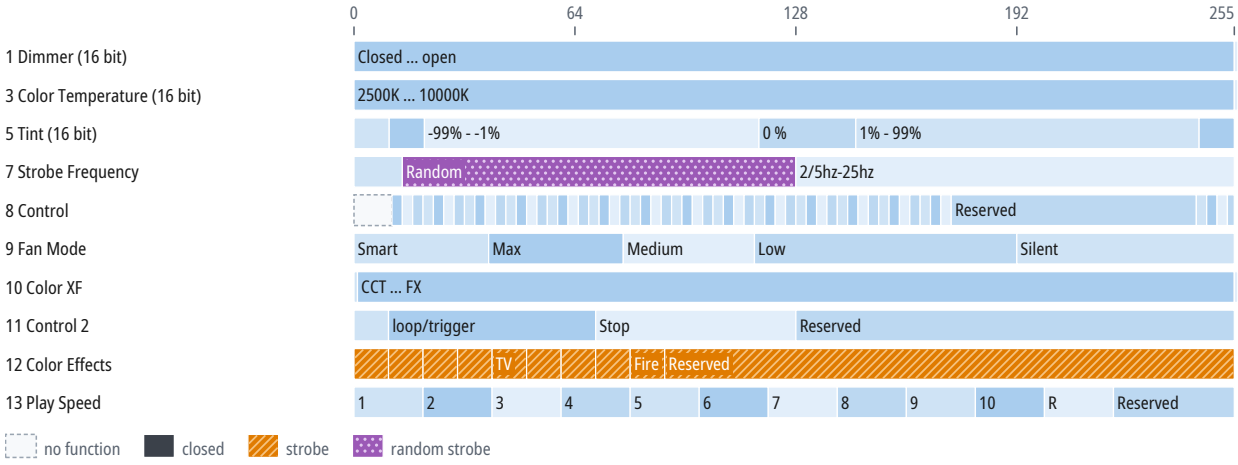
CH	Function	DMX	Description
7	Color XF (continued)	1–254	CCT ... FX
		255	FX
8	Control 2	0–9	Loop
		10–69	loop/trigger
		70–127	Stop
		128–255	Reserved
9	Color Effects	0–9	Paparazzi
		10–19	Fireworks
		20–29	Faulty Bulb
		30–39	Lightning
		40–49	TV
		50–59	Pulsing
		60–69	Strobe
		70–79	Explosion
		80–89	Fire
		90–255	Reserved
10	Play Speed	0–19	1
		20–39	2
		40–59	3
		60–79	4
		80–99	5
		100–119	6
		120–139	7
		140–159	8
		160–179	9
		180–199	10
		200–219	R
		220–255	Reserved

Mode CCT+Control/FX 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 7 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance

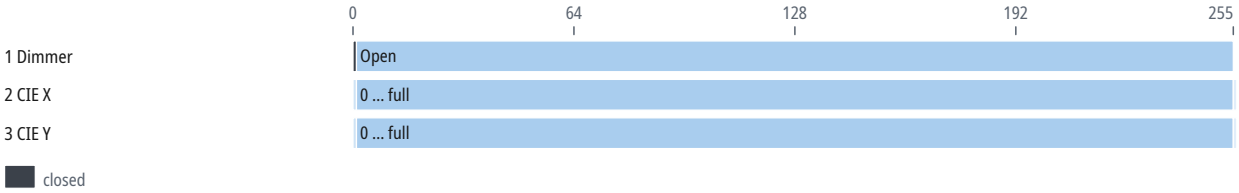


CH	Function	DMX	Description
1	Dimmer	0–255	Closed ... open
		255	Open
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “CCT+ 16bit Mode” (p. 9)
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint	0–10	Neutral / No Effect
		10–20	Full Minus Green
		20–117	-99% - -1%
		117–145	0 %
		145–245	1% - 99%
		245–255	Full Plus Green
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
8	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
9	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
10	Color XF		Same as CH 7 in the mode “CCT+ Control /FX -8bit Mode” (p. 13)
11	Control 2		Same as CH 8 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
12	Color Effects		Same as CH 9 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
13	Play Speed		Same as CH 10 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)

Mode xy 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



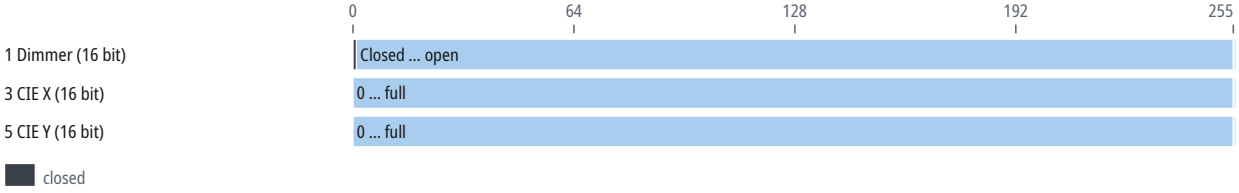
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	CIE X	0	0
		1–254	0 ... full
		255	Full
3	CIE Y	0	0
		1–254	0 ... full
		255	Full

Mode xy 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance

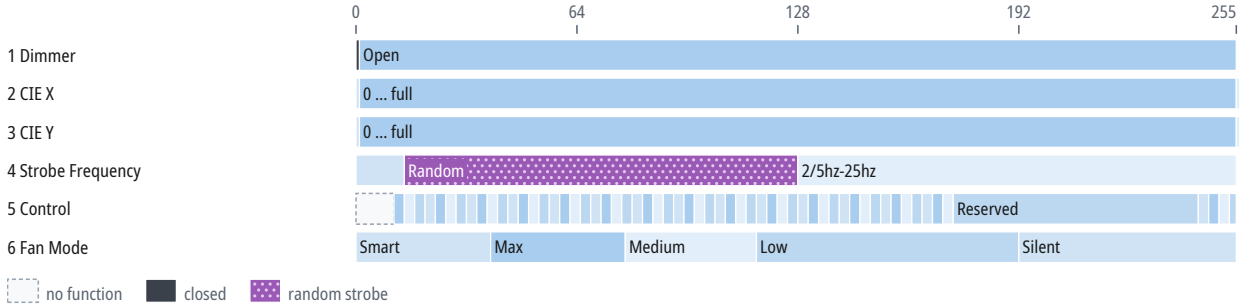


CH	Function	DMX	Description
1	Dimmer	0	Closed
		1–255	Closed ... open
		255	Open
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	CIE X	0–255	0 ... full
		255	Full
4	CIE X Fine	0–255	Fine adjustment of CH 3
5	CIE Y	0–255	0 ... full
		255	Full
6	CIE Y Fine	0–255	Fine adjustment of CH 5

Mode xy+Control 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 4 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



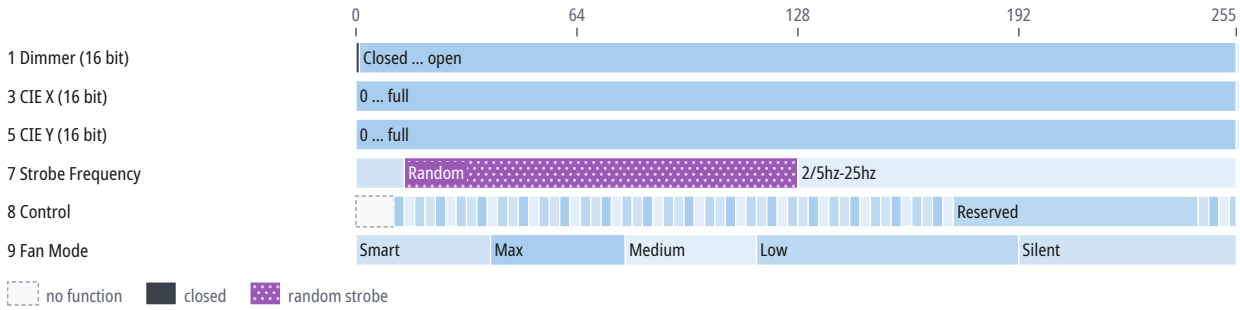
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	CIE X		Same as CH 2 in the mode “xy 8bit Mode” (p. 16)
3	CIE Y		Same as CH 3 in the mode “xy 8bit Mode” (p. 16)
4	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
5	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
6	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)

Mode xy+Control 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 7 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



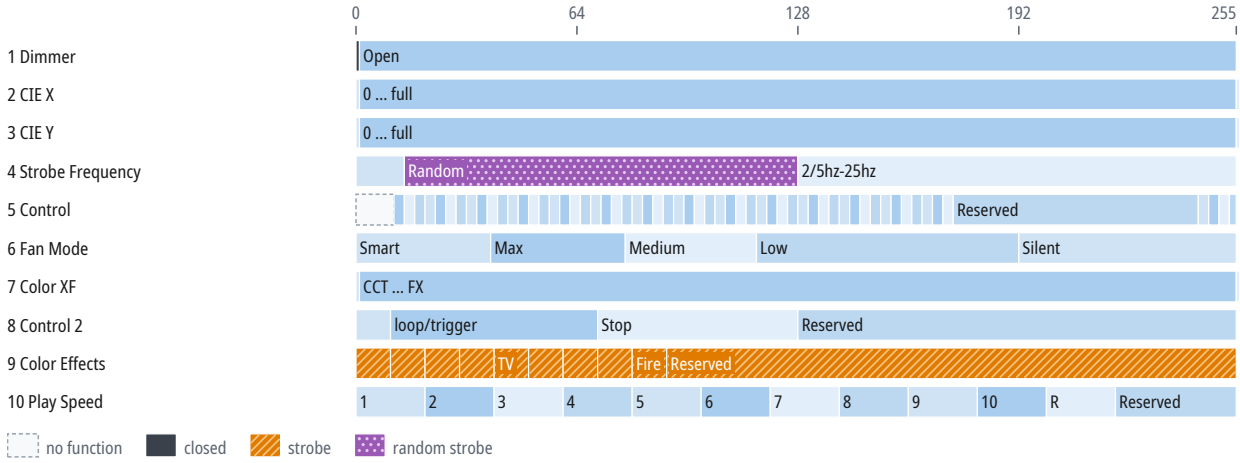
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “xy 16bit Mode” (p. 16)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	CIE X		Same as CH 3 in the mode “xy 16bit Mode” (p. 16)
4	CIE X Fine	0–255	Fine adjustment of CH 3
5	CIE Y		Same as CH 5 in the mode “xy 16bit Mode” (p. 16)

CH	Function	DMX	Description
6	CIE Y Fine	0–255	Fine adjustment of CH 5
7	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
8	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
9	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)

Mode xy+Control/FX 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 4 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



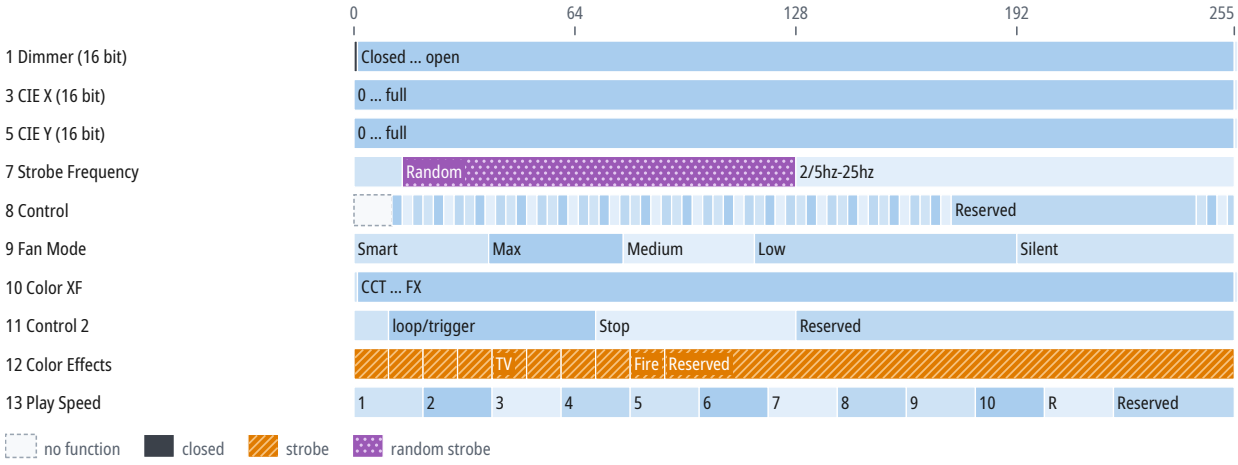
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	CIE X		Same as CH 2 in the mode “xy 8bit Mode” (p. 16)
3	CIE Y		Same as CH 3 in the mode “xy 8bit Mode” (p. 16)
4	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
5	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
6	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
7	Color XF		Same as CH 7 in the mode “CCT+ Control /FX -8bit Mode” (p. 13)
8	Control 2		Same as CH 8 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
9	Color Effects		Same as CH 9 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
10	Play Speed		Same as CH 10 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)

Mode xy+Control/FX 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 7 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance

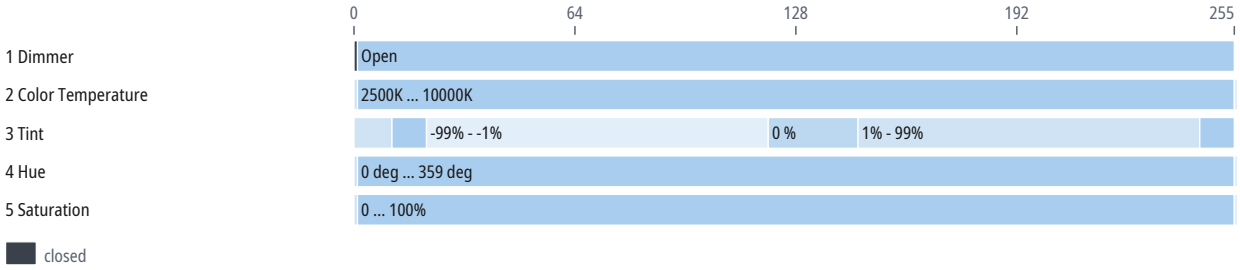


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “xy 16bit Mode” (p. 16)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	CIE X		Same as CH 3 in the mode “xy 16bit Mode” (p. 16)
4	CIE X Fine	0–255	Fine adjustment of CH 3
5	CIE Y		Same as CH 5 in the mode “xy 16bit Mode” (p. 16)
6	CIE Y Fine	0–255	Fine adjustment of CH 5
7	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
8	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
9	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
10	Color XF		Same as CH 7 in the mode “CCT+ Control /FX -8bit Mode” (p. 13)
11	Control 2		Same as CH 8 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
12	Color Effects		Same as CH 9 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
13	Play Speed		Same as CH 10 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)

Mode Limited HSIC+ 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



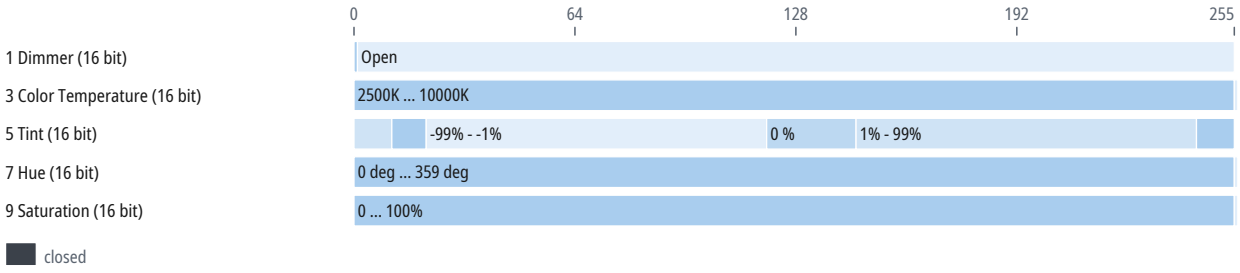
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Color Temperature		Same as CH 2 in the mode “CCT+ 8bit Mode” (p. 8)
3	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
4	Hue	0	0 deg
		1–254	0 deg ... 359 deg
		255	359 deg
5	Saturation	0	0
		1–254	0 ... 100%
		255	100%

Mode Limited HSIC+ 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



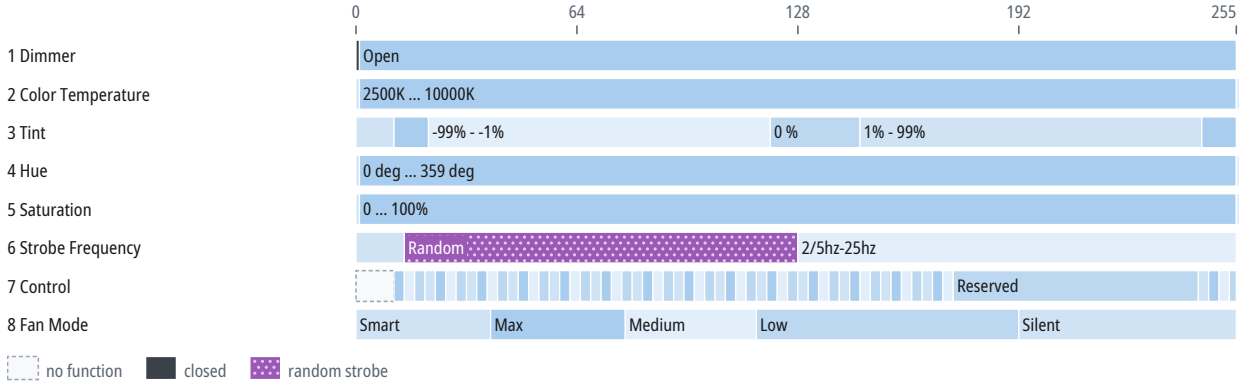
CH	Function	DMX	Description
1	Dimmer	0	Closed ... open
		1–255	Open
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “CCT+ 16bit Mode” (p. 9)
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)

CH	Function	DMX	Description
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Hue	0–255	0 deg ... 359 deg
		255	359 deg
8	Hue Fine	0–255	Fine adjustment of CH 7
9	Saturation	0–255	0 ... 100%
		255	100%
10	Saturation Fine	0–255	Fine adjustment of CH 9

Mode Limited HSIC+Control 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 6 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



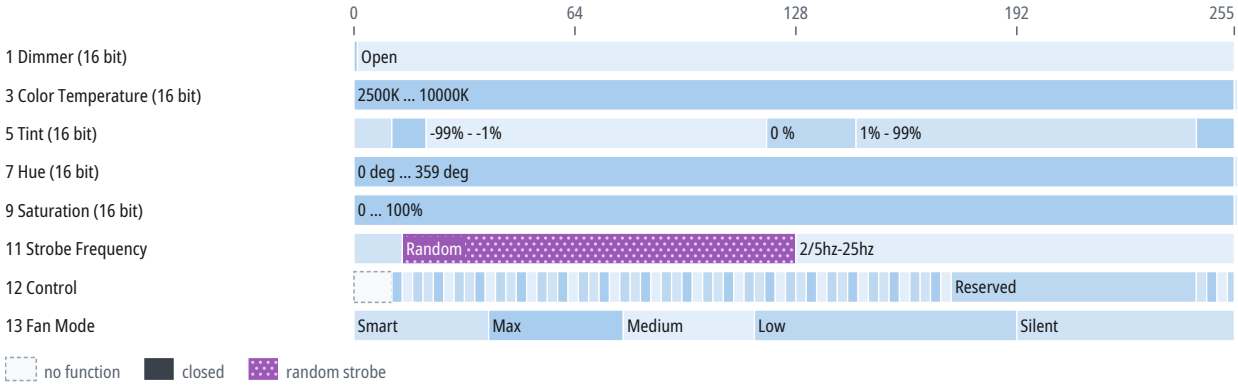
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Color Temperature		Same as CH 2 in the mode “CCT+ 8bit Mode” (p. 8)
3	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
4	Hue		Same as CH 4 in the mode “Limited HSIC+ 8bit Mode” (p. 20)
5	Saturation		Same as CH 5 in the mode “Limited HSIC+ 8bit Mode” (p. 20)
6	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
7	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
8	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)

Mode Limited HSIC+Control 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 11 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance

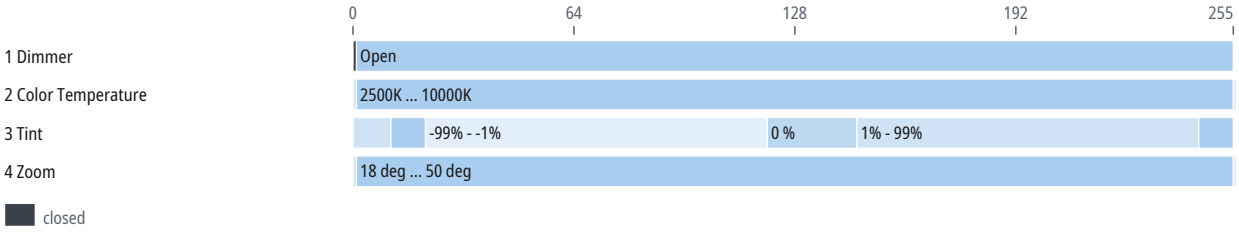


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Limited HSIC+ 16bit Mode” (p. 20)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “CCT+ 16bit Mode” (p. 9)
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Hue		Same as CH 7 in the mode “Limited HSIC+ 16bit Mode” (p. 21)
8	Hue Fine	0–255	Fine adjustment of CH 7
9	Saturation		Same as CH 9 in the mode “Limited HSIC+ 16bit Mode” (p. 21)
10	Saturation Fine	0–255	Fine adjustment of CH 9
11	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
12	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
13	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)

Mode CCT+ ACC 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



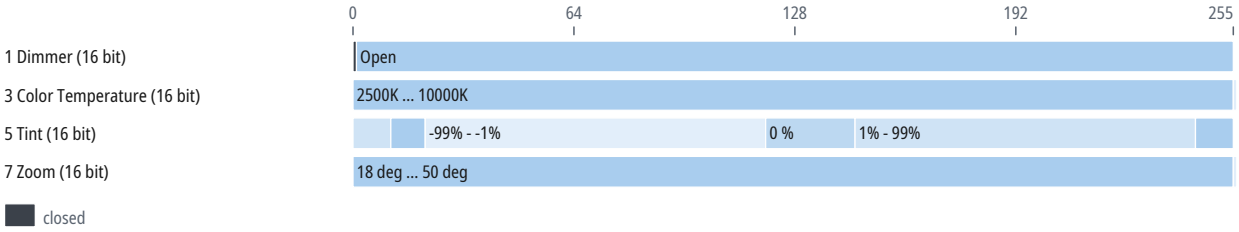
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Color Temperature		Same as CH 2 in the mode “CCT+ 8bit Mode” (p. 8)
3	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
4	Zoom	0	18 deg
		1–254	18 deg ... 50 deg
		255	50 deg

Mode CCT+ACC 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance

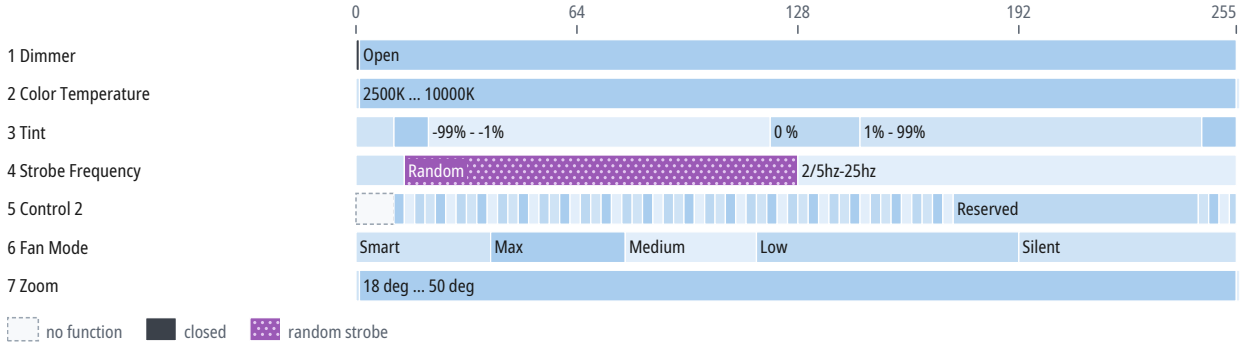


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “CCT+ 16bit Mode” (p. 9)
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Zoom	0–255	18 deg ... 50 deg
		255	50 deg
8	Zoom Fine	0–255	Fine adjustment of CH 7

Mode CCT+Control/ACC 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 4 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



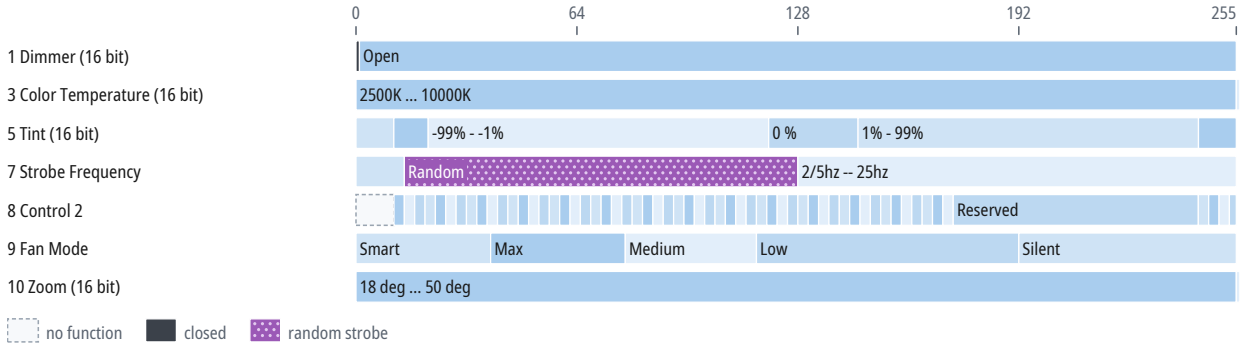
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Color Temperature		Same as CH 2 in the mode “CCT+ 8bit Mode” (p. 8)
3	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
4	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
5	Control 2		Same as CH 5 in the mode “CCT+Control 8bit Mode” (p. 9)
6	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
7	Zoom		Same as CH 4 in the mode “CCT+ ACC 8bit Mode” (p. 23)

Mode CCT+Control/ACC 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 7 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



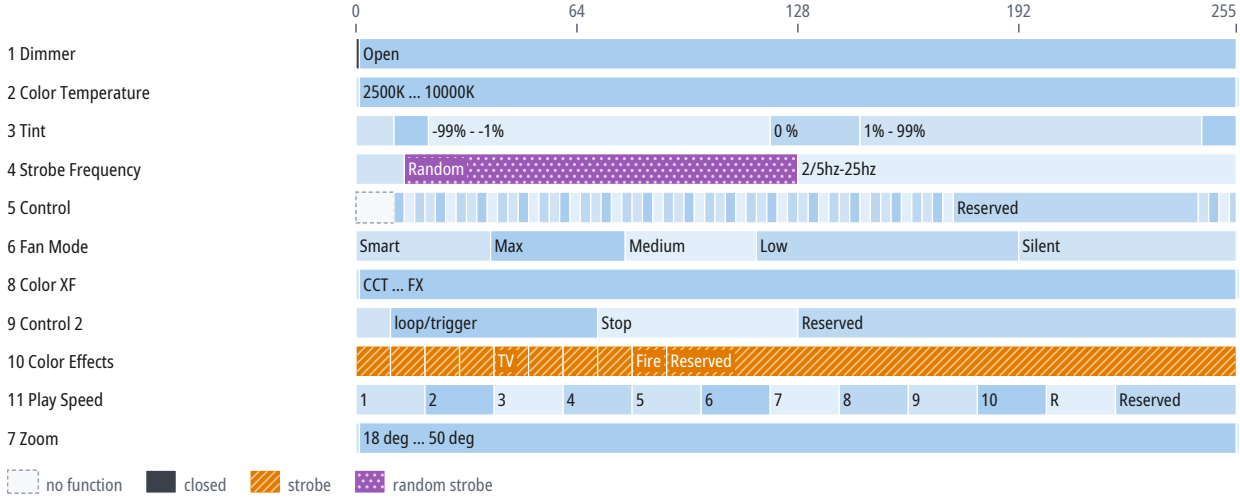
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “CCT+ 16bit Mode” (p. 9)

CH	Function	DMX	Description
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Strobe Frequency		Same as CH 7 in the mode “CCT+Control 16bit Mode” (p. 11)
8	Control 2		Same as CH 5 in the mode “CCT+Control 8bit Mode” (p. 9)
9	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
10	Zoom		Same as CH 7 in the mode “CCT+ACC 16bit Mode” (p. 23)
11	Zoom Fine	0–255	Fine adjustment of CH 10

Mode CCT+Control/ACC/FX 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 4 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



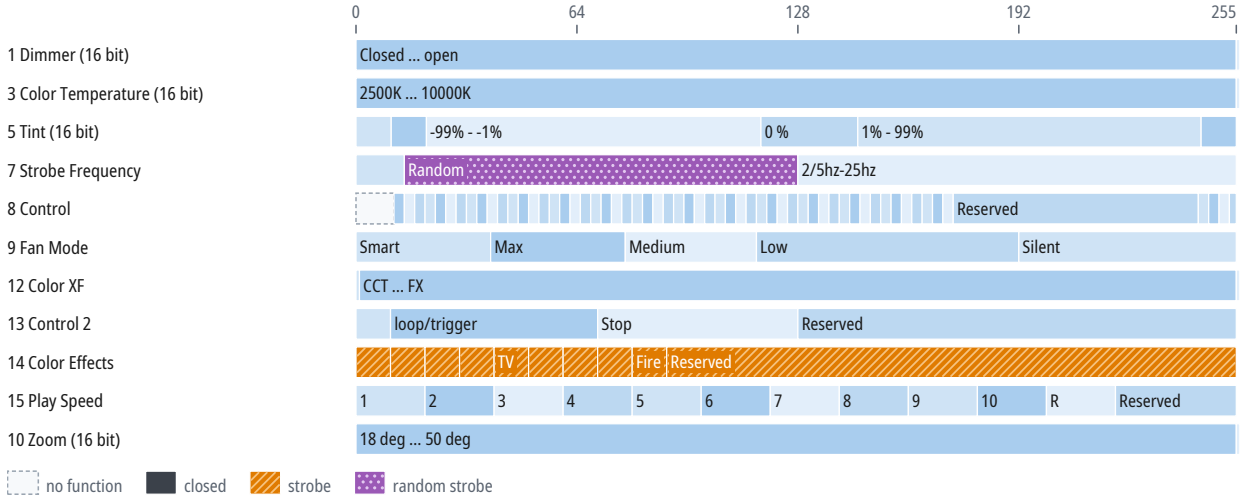
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Color Temperature		Same as CH 2 in the mode “CCT+ 8bit Mode” (p. 8)
3	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
4	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
5	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
6	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
7	Zoom		Same as CH 4 in the mode “CCT+ ACC 8bit Mode” (p. 23)
8	Color XF		Same as CH 7 in the mode “CCT+ Control /FX -8bit Mode” (p. 13)
9	Control 2		Same as CH 8 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
10	Color Effects		Same as CH 9 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
11	Play Speed		Same as CH 10 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)

Mode CCT+Control/ACC/FX 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 7 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance

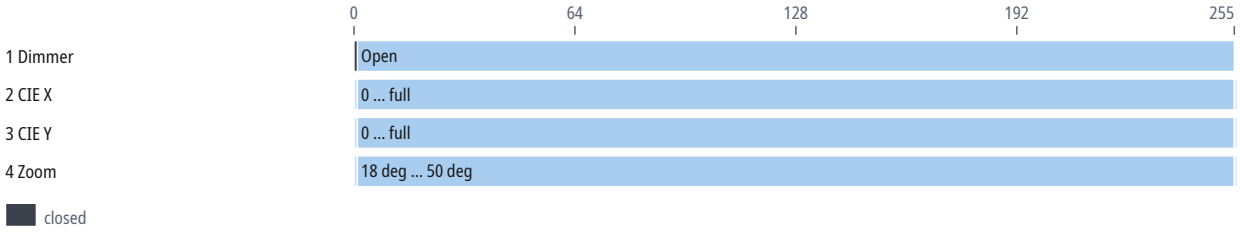


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+Control/FX 16bit Mode” (p. 15)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “CCT+ 16bit Mode” (p. 9)
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 5 in the mode “CCT+Control/FX 16bit Mode” (p. 15)
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
8	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
9	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
10	Zoom		Same as CH 7 in the mode “CCT+ACC 16bit Mode” (p. 23)
11	Zoom Fine	0–255	Fine adjustment of CH 10
12	Color XF		Same as CH 7 in the mode “CCT+ Control /FX -8bit Mode” (p. 13)
13	Control 2		Same as CH 8 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
14	Color Effects		Same as CH 9 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
15	Play Speed		Same as CH 10 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)

Mode xy/ACC 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



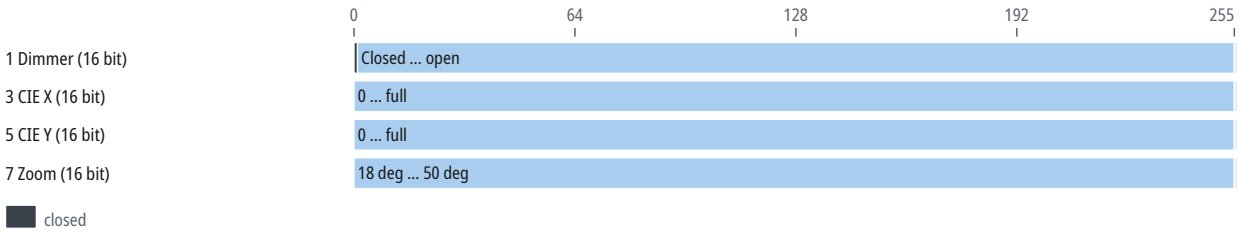
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	CIE X		Same as CH 2 in the mode “xy 8bit Mode” (p. 16)
3	CIE Y		Same as CH 3 in the mode “xy 8bit Mode” (p. 16)
4	Zoom		Same as CH 4 in the mode “CCT+ ACC 8bit Mode” (p. 23)

Mode xy/ACC 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance

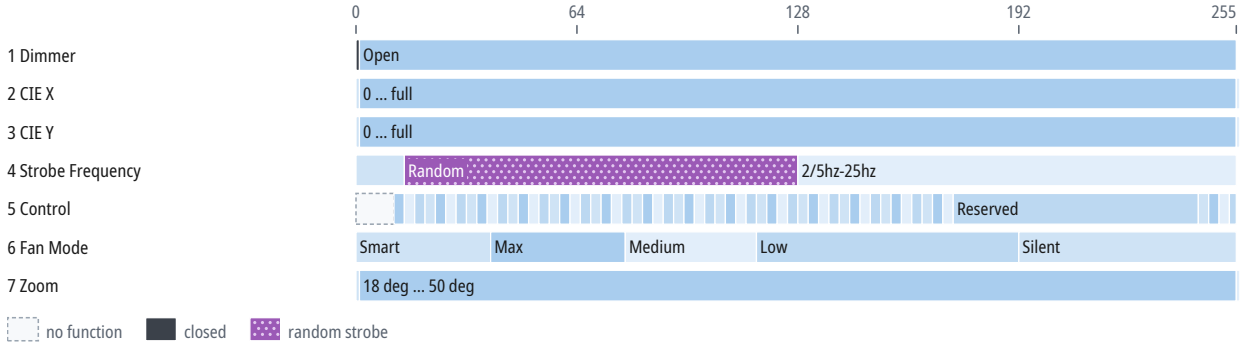


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “xy 16bit Mode” (p. 16)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	CIE X		Same as CH 3 in the mode “xy 16bit Mode” (p. 16)
4	CIE X Fine	0–255	Fine adjustment of CH 3
5	CIE Y		Same as CH 5 in the mode “xy 16bit Mode” (p. 16)
6	CIE Y Fine	0–255	Fine adjustment of CH 5
7	Zoom		Same as CH 7 in the mode “CCT+ACC 16bit Mode” (p. 23)
8	Zoom Fine	0–255	Fine adjustment of CH 7

Mode xy+Control/ACC 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 4 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



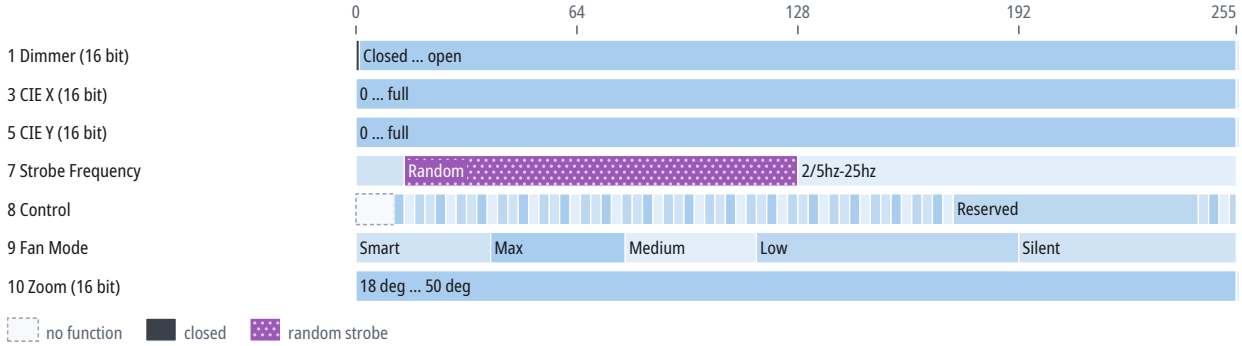
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	CIE X		Same as CH 2 in the mode “xy 8bit Mode” (p. 16)
3	CIE Y		Same as CH 3 in the mode “xy 8bit Mode” (p. 16)
4	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
5	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
6	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
7	Zoom		Same as CH 4 in the mode “CCT+ ACC 8bit Mode” (p. 23)

Mode xy+Control/ACC 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 7 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance

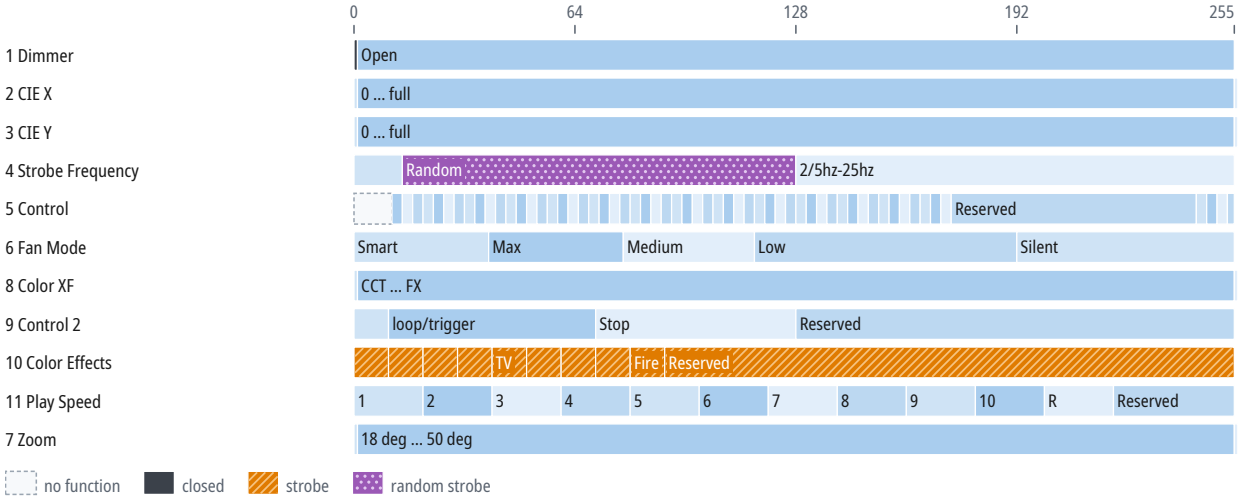


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “xy 16bit Mode” (p. 16)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	CIE X		Same as CH 3 in the mode “xy 16bit Mode” (p. 16)
4	CIE X Fine	0–255	Fine adjustment of CH 3
5	CIE Y		Same as CH 5 in the mode “xy 16bit Mode” (p. 16)
6	CIE Y Fine	0–255	Fine adjustment of CH 5
7	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
8	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
9	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
10	Zoom		Same as CH 7 in the mode “CCT+ACC 16bit Mode” (p. 23)
11	Zoom Fine	0–255	Fine adjustment of CH 10

Mode xy+Control/ACC/FX 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 4 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	CIE X		Same as CH 2 in the mode “xy 8bit Mode” (p. 16)
3	CIE Y		Same as CH 3 in the mode “xy 8bit Mode” (p. 16)
4	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
5	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
6	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
7	Zoom		Same as CH 4 in the mode “CCT+ ACC 8bit Mode” (p. 23)
8	Color XF		Same as CH 7 in the mode “CCT+ Control /FX -8bit Mode” (p. 13)

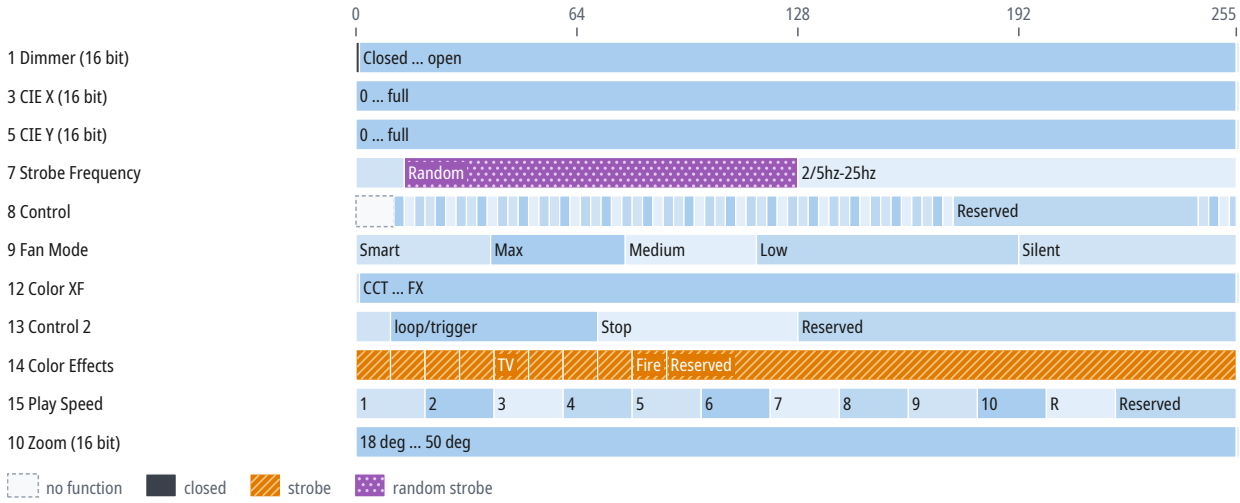
CH	Function	DMX	Description
9	Control 2		Same as CH 8 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
10	Color Effects		Same as CH 9 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
11	Play Speed		Same as CH 10 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)

Mode xy+Control/ACC/FX 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 7 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



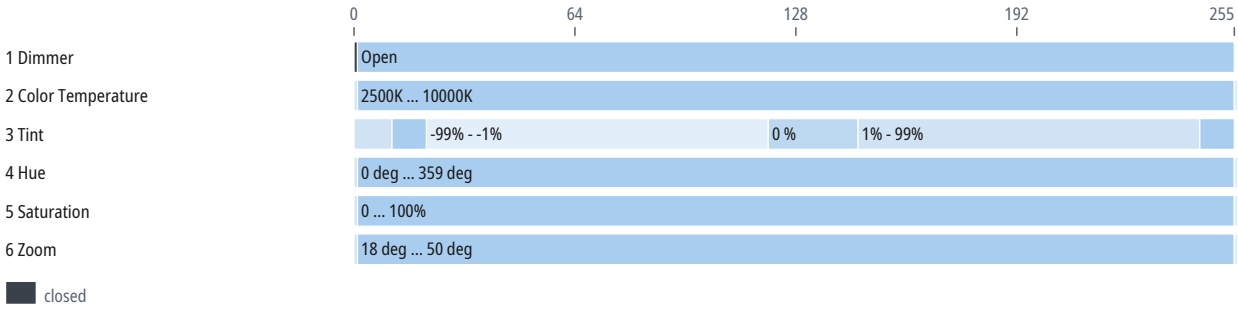
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “xy 16bit Mode” (p. 16)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	CIE X		Same as CH 3 in the mode “xy 16bit Mode” (p. 16)
4	CIE X Fine	0–255	Fine adjustment of CH 3
5	CIE Y		Same as CH 5 in the mode “xy 16bit Mode” (p. 16)
6	CIE Y Fine	0–255	Fine adjustment of CH 5
7	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
8	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
9	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
10	Zoom		Same as CH 7 in the mode “CCT+ACC 16bit Mode” (p. 23)
11	Zoom Fine	0–255	Fine adjustment of CH 10
12	Color XF		Same as CH 7 in the mode “CCT+ Control /FX -8bit Mode” (p. 13)

CH	Function	DMX	Description
13	Control 2		Same as CH 8 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
14	Color Effects		Same as CH 9 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)
15	Play Speed		Same as CH 10 in the mode “CCT+ Control /FX -8bit Mode” (p. 14)

Mode Limited HSIC+ ACC 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



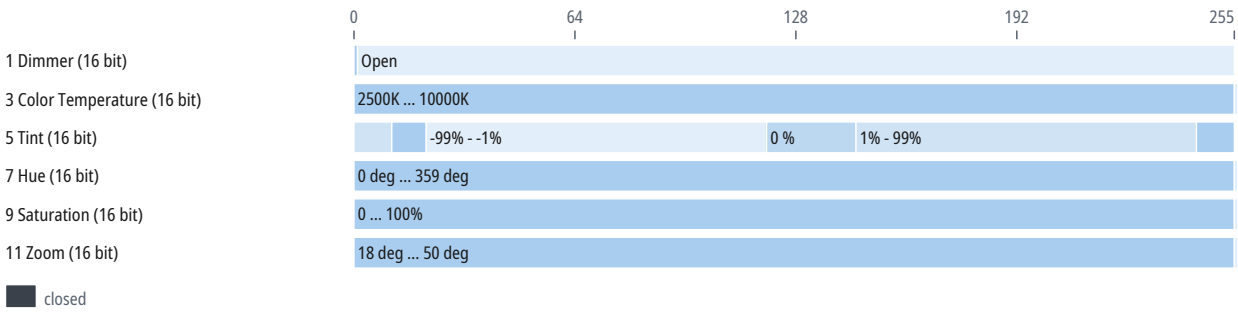
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Color Temperature		Same as CH 2 in the mode “CCT+ 8bit Mode” (p. 8)
3	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
4	Hue		Same as CH 4 in the mode “Limited HSIC+ 8bit Mode” (p. 20)
5	Saturation		Same as CH 5 in the mode “Limited HSIC+ 8bit Mode” (p. 20)
6	Zoom		Same as CH 4 in the mode “CCT+ ACC 8bit Mode” (p. 23)

Mode Limited HSIC+ ACC 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance

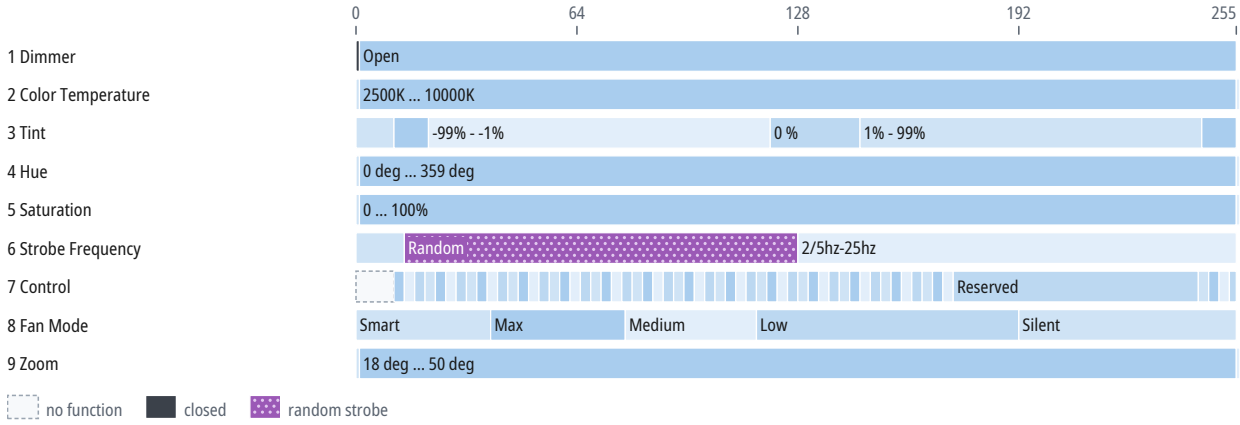


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Limited HSIC+ 16bit Mode” (p. 20)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “CCT+ 16bit Mode” (p. 9)
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Hue		Same as CH 7 in the mode “Limited HSIC+ 16bit Mode” (p. 21)
8	Hue Fine	0–255	Fine adjustment of CH 7
9	Saturation		Same as CH 9 in the mode “Limited HSIC+ 16bit Mode” (p. 21)
10	Saturation Fine	0–255	Fine adjustment of CH 9
11	Zoom		Same as CH 7 in the mode “CCT+ACC 16bit Mode” (p. 23)
12	Zoom Fine	0–255	Fine adjustment of CH 11

Mode Limited HSIC+Control/ACC 8bit Mode

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 6 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



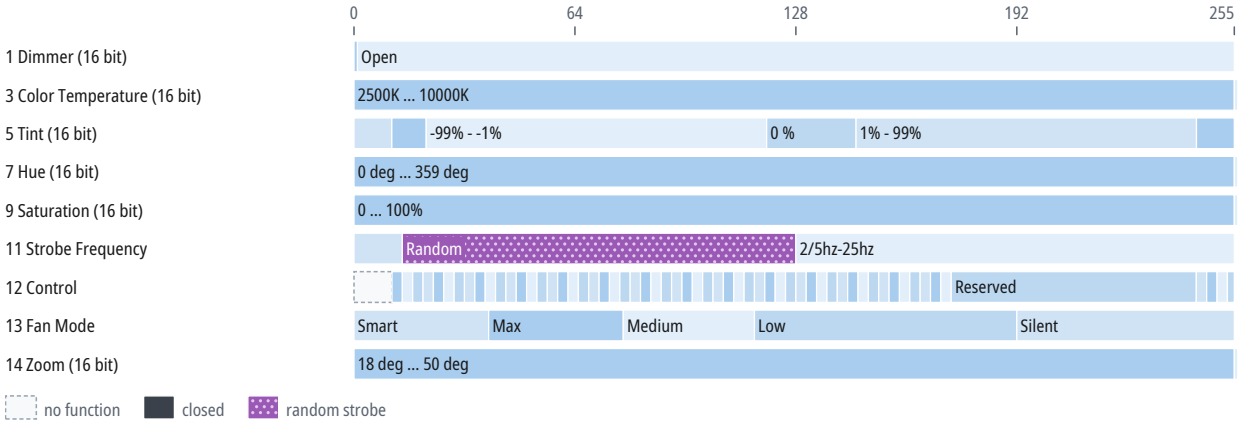
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Color Temperature		Same as CH 2 in the mode “CCT+ 8bit Mode” (p. 8)
3	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
4	Hue		Same as CH 4 in the mode “Limited HSIC+ 8bit Mode” (p. 20)
5	Saturation		Same as CH 5 in the mode “Limited HSIC+ 8bit Mode” (p. 20)
6	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
7	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
8	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
9	Zoom		Same as CH 4 in the mode “CCT+ ACC 8bit Mode” (p. 23)

Mode Limited HSIC+Control/ACC 16bit Mode

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 11 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



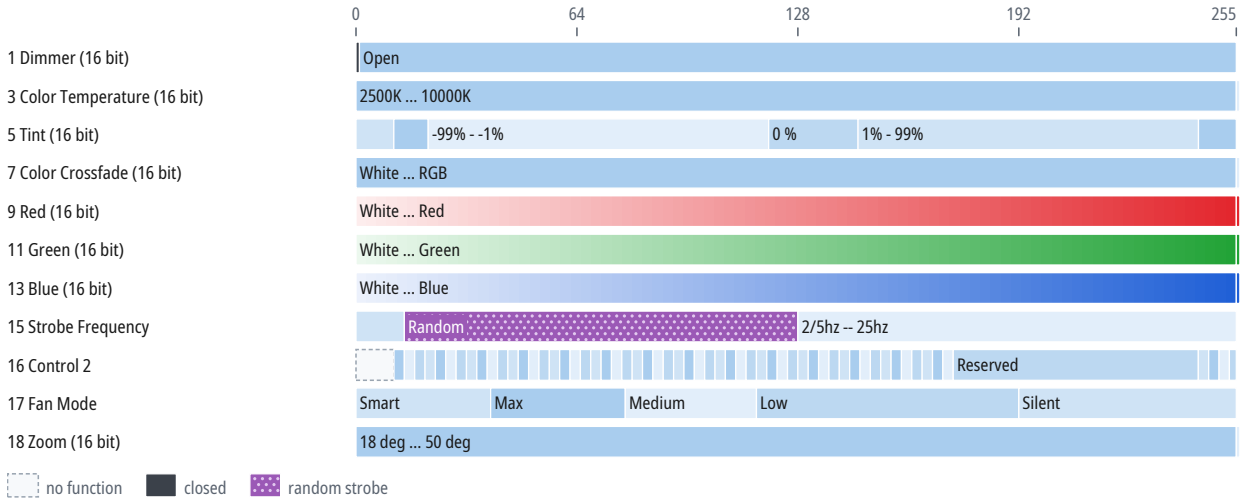
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “Limited HSIC+ 16bit Mode” (p. 20)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “CCT+ 16bit Mode” (p. 9)
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Hue		Same as CH 7 in the mode “Limited HSIC+ 16bit Mode” (p. 21)
8	Hue Fine	0–255	Fine adjustment of CH 7
9	Saturation		Same as CH 9 in the mode “Limited HSIC+ 16bit Mode” (p. 21)
10	Saturation Fine	0–255	Fine adjustment of CH 9
11	Strobe Frequency		Same as CH 4 in the mode “CCT+Control 8bit Mode” (p. 9)
12	Control		Same as CH 5 in the mode “CCT+ Control /FX -8bit Mode” (p. 12)
13	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
14	Zoom		Same as CH 7 in the mode “CCT+ACC 16bit Mode” (p. 23)
15	Zoom Fine	0–255	Fine adjustment of CH 14

Mode Limited CCT and RGB+Control/ACC 16bit Mode 1

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 15 Strobe Frequency at 0–13 “no effect”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 7 Color Crossfade 255, CH 9 Red 255, CH 11 Green 255, CH 13 Blue 255, CH 15 Strobe Frequency 0.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “CCT+ 8bit Mode” (p. 8)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 3 in the mode “CCT+ 16bit Mode” (p. 9)
4	Color Temperature Fine	0–255	Fine adjustment of CH 3
5	Tint		Same as CH 3 in the mode “CCT+ 8bit Mode” (p. 8)
6	Tint Fine	0–255	Fine adjustment of CH 5
7	Color Crossfade	0–255	White ... RGB
		255	RGB
8	Color Crossfade Fine	0–255	Fine adjustment of CH 7
9	Red	0–255	White ... Red
		255	Red
10	Red Fine	0–255	Fine adjustment of CH 9
11	Green	0–255	White ... Green
		255	Green
12	Green Fine	0–255	Fine adjustment of CH 11
13	Blue	0–255	White ... Blue
		255	Blue
14	Blue Fine	0–255	Fine adjustment of CH 13
15	Strobe Frequency		Same as CH 7 in the mode “CCT+Control 16bit Mode” (p. 11)
16	Control 2		Same as CH 5 in the mode “CCT+Control 8bit Mode” (p. 9)

CH	Function	DMX	Description
17	Fan Mode		Same as CH 6 in the mode “CCT+Control 8bit Mode” (p. 11)
18	Zoom		Same as CH 7 in the mode “CCT+ACC 16bit Mode” (p. 23)
19	Zoom Fine	0–255	Fine adjustment of CH 18

9 Technical specifications

Parameter	Value
Weight	28 kg
Operating temperature	-20 to 45 °C

Speeds and ranges

Parameter	Value
Color temperature range	2500–10000 K

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.