DMX REFERENCE

AST-QUKBM QuikBeam

Astera LED Technology



Manufacturer	Astera LED Technology
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1 About this manual

This document describes the AST-QUKBM QuikBeam by Astera LED Technology. It was compiled from the GDTF file Astera_LED_Technology_AST-QUKBM_QuikBeam_127217.gdtf from the GDTF-Share library.

File revision: “Revision 03”.

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 Astera LED Technology; 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	1.4 kg

DMX modes

Mode	Channels	Units in one universe	First start addresses
1: RGB	3	170	1, 4, 7, 10, ...
2: RGBW	4	128	1, 5, 9, 13, ...
3: RGBAW	5	102	1, 6, 11, 16, ...
4: DIM RGB	4	128	1, 5, 9, 13, ...
5: DIM RGBW	5	102	1, 6, 11, 16, ...
6: DIM RGBAW	6	85	1, 7, 13, 19, ...
7: RGB CCT DIM IND	6	85	1, 7, 13, 19, ...
8: RGBS	4	128	1, 5, 9, 13, ...
9: RGBWS	5	102	1, 6, 11, 16, ...
10: RGBAWS	6	85	1, 7, 13, 19, ...
11: DIM RGBS	5	102	1, 6, 11, 16, ...
12: DIM RGBWS	6	85	1, 7, 13, 19, ...
13: DIM RGBAWS	7	73	1, 8, 15, 22, ...
14: RGB CCT DIM IND S	7	73	1, 8, 15, 22, ...
15: Effect Mode Fix	13	39	1, 14, 27, 40, ...
16: Effect Mode RGB	21	24	1, 22, 43, 64, ...
89: D CCT GM CRO RGB	7	73	1, 8, 15, 22, ...
90: D CCT GM HUE SAT	5	102	1, 6, 11, 16, ...
91: D16 CCT GM C RGB	8	64	1, 9, 17, 25, ...
92: D16 CCT GM H SAT	7	73	1, 8, 15, 22, ...
93: D16 X Y	6	85	1, 7, 13, 19, ...
94: D CCT GM CRO RGB S	8	64	1, 9, 17, 25, ...
95: D CCT GM HUE SAT S	6	85	1, 7, 13, 19, ...
96: D16 CCT GM H SAT S	8	64	1, 9, 17, 25, ...
97: D16 X Y S	7	73	1, 8, 15, 22, ...
137: D16 CCT GM C RGB S	9	56	1, 10, 19, 28, ...
144: RGB FAN	4	128	1, 5, 9, 13, ...
145 RGBW FAN	5	102	1, 6, 11, 16, ...
146: RGBAW FAN	6	85	1, 7, 13, 19, ...
147: DIM RGB FAN	5	102	1, 6, 11, 16, ...
148: DIM RGBW FAN	6	85	1, 7, 13, 19, ...
149: DIM RGBAW FAN	7	73	1, 8, 15, 22, ...
150: RGB CCT DIM IND FAN	7	73	1, 8, 15, 22, ...
151: D CCT GM CRO RGB FAN	8	64	1, 9, 17, 25, ...

Mode	Channels	Units in one universe	First start addresses
152: D CCT GM HUE SAT FAN	6	85	1, 7, 13, 19, ...
153: D16 CCT GM C RGB FAN	9	56	1, 10, 19, 28, ...
154: D16 CCT GM H SAT FAN	8	64	1, 9, 17, 25, ...
155: D16 X Y FAN	7	73	1, 8, 15, 22, ...
156: RGBS FAN	5	102	1, 6, 11, 16, ...
157: RGBWS FAN	6	85	1, 7, 13, 19, ...
158: RGBAWS FAN	7	73	1, 8, 15, 22, ...
159: DIM RGBS FAN	6	85	1, 7, 13, 19, ...
160: DIM RGBWS FAN	7	73	1, 8, 15, 22, ...
161: DIM RGBAWS FAN	8	64	1, 9, 17, 25, ...
162: RGB CCT DIM IND S FAN	8	64	1, 9, 17, 25, ...
163: D CCT GM CRO RGB S FAN	9	56	1, 10, 19, 28, ...
164: D CCT GM HUE SAT S FAN	7	73	1, 8, 15, 22, ...
165: D16 CCT GM C RGB S FAN	10	51	1, 11, 21, 31, ...
166: D16 CCT GM H SAT S FAN	9	56	1, 10, 19, 28, ...
167: D16 X Y S FAN	8	64	1, 9, 17, 25, ...
168: D CCT GM CRO XY	8	64	1, 9, 17, 25, ...
169: D16 CCT GM CRO XY	9	56	1, 10, 19, 28, ...
170: D CCT GM C CRO XY S	9	56	1, 10, 19, 28, ...
171: D16 CCT GM C CRO XY S	10	51	1, 11, 21, 31, ...
172: D CCT GM CRO XY FAN	9	56	1, 10, 19, 28, ...
173: D16 CCT GM CRO XY FAN	10	51	1, 11, 21, 31, ...
174: D CCT GM CRO XY S FAN	10	51	1, 11, 21, 31, ...
175: D16 CCT GM CRO XY S FAN	11	46	1, 12, 23, 34, ...
176: EFFECT MODE FIX FAN	14	36	1, 15, 29, 43, ...
177: EFFECT MODE RGB FAN	22	23	1, 23, 45, 67, ...



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

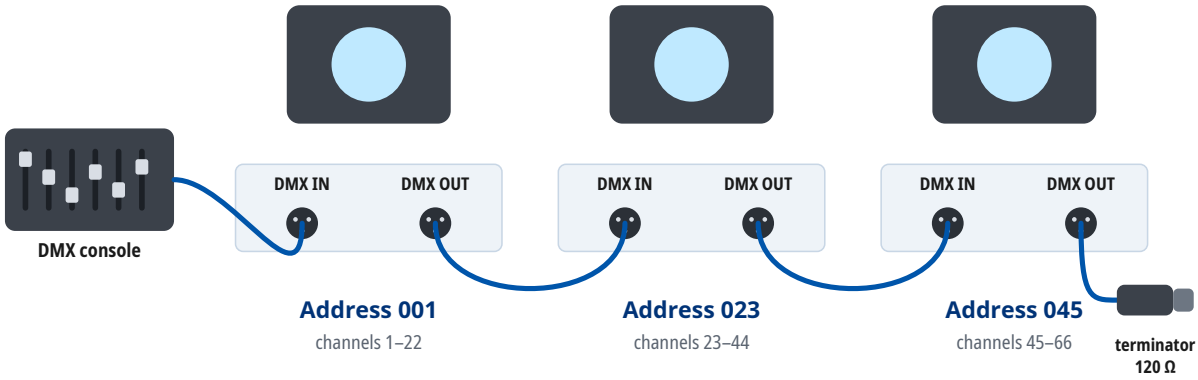
⚠ **WARNING**

- 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: 1.438 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 177: EFFECT MODE RGB FAN: every unit occupies 22 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 “177: EFFECT MODE RGB FAN”: 22.
- 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 “177: EFFECT MODE RGB FAN”, you can use, for example, the start addresses 1, 23, 45, 67.
- 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.

7 Functions at a glance

Functions in each DMX mode

	1: RGB 3 channels	2: RGBW 4 channels	3: RGBAW 5 channels	4: DIM RGB 4 channels	5: DIM RGBW 5 channels	6: DIM RGBAW 6 channels	7: RGB CCT DIM IND 6 channels	8: RGBS 4 channels
Dimmer	✓	✓	✓	1	1	1	5	✓
Shutter / strobe								4
Color mixing	1–3	1–4	1–5	2–4	2–5	2–6	1–3	1–3
Color temperature							4	
Color wheel							6	

Color wheel

1 No effect **DMX 0–1**

2 Rose Pink **DMX 2**

3 Lavender Tint **DMX 3**

4 Medium Bastard Amber **DMX 4–6**

5 Pale Yellow **DMX 7**

6 Dark Salmon **DMX 8**

7 Pale Amber Gold **DMX 9**

8 Medium Yellow **DMX 10–12**

9 Straw Tint **DMX 13–14**

10 Deep Straw **DMX 15–16**

11 Surprise Peach **DMX 17–18**

12 Fire **DMX 19**

13 Medium Amber **DMX 20**

14 Gold Amber **DMX 21**

15 Dark Amber **DMX 22–23**

16 Scarlet **DMX 24**

17 Sunset Red **DMX 25**

18 Bright Red **DMX 26**

19 Medium Red **DMX 27–28**

20 Plasa Red **DMX 29–34**

21 Light Pink **DMX 35**

22 Medium Pink **DMX 36–45**

23 Dark Magenta **DMX 46–47**

24 Rose Purple **DMX 48**

25 Medium Purple **DMX 49–51**

26 Light Lavender **DMX 52**

27 Paler Lavender **DMX 53–57**

28 Lavender **DMX 58–60**

29 Mist Blue **DMX 61–62**

30 Pale Blue **DMX 63–67**

31 Sky Blue **DMX 68–70**

32 Tokyo Blue **DMX 71–74**

33 Evening Blue **DMX 75–78**

34 Just Blue **DMX 79–84**

35 Deeper Blue **DMX 85–87**

36 Lime Green **DMX 88**

37 Moss Green **DMX 89**

38 Dark Yellow Green **DMX 90–99**

39 Spring Yellow **DMX 100**

40 Yellow **DMX 101**

41 Light Amber **DMX 102**

42 Straw **DMX 103**

43 Deep Amber **DMX 104**

44 Orange **DMX 105**

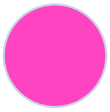
45 Primary Red **DMX 106**

46 Light Rose **DMX 107**

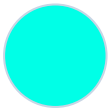
47 English Rose **DMX 108**

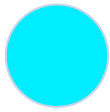
48 Light Salmon **DMX 109**

49 
Middle Rose
DMX 110

50 
Dark Pink
DMX 111–112

51 
Magenta
DMX 113–114

52 
Peacock Blue
DMX 115

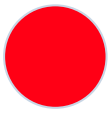
53 
Medium Blue-Green
DMX 116

54 
Steel Blue
DMX 117

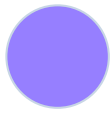
55 
Light Blue
DMX 118–131

56 
Medium Blue
DMX 132–133

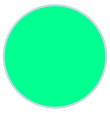
57 
Golden Amber
DMX 134

58 
Deep Golden Amber
DMX 135

59
Pale Lavender
DMX 136

60 
Special Lavender
DMX 137

61
Pale Green
DMX 138

62 
Primary Green
DMX 139

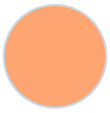
63 
Summer Blue
DMX 140

64 
Bright Blue
DMX 141

65 
Pale Violet
DMX 142

66 
Pale Navy Blue
DMX 143

67 
No Colour Blue
DMX 144–146

68 
Apricot
DMX 147

69 
Bright Rose
DMX 148–150

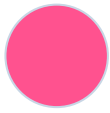
70
Gold Tint
DMX 151

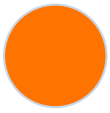
71
Pale Gold
DMX 152

72
Pale Salmon
DMX 153

73
Pale Rose
DMX 154–155

74
Chocolate
DMX 156

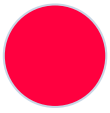
75 
Pink
DMX 157

76 
Deep Orange
DMX 158

77
No Colour Straw
DMX 159–160

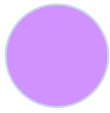
78 
Slate Blue
DMX 161

79
Bastard Amber
DMX 162–163

80 
Flame Red
DMX 164

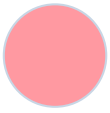
81 
Daylight Blue
DMX 165–168

82
Lilac Tint
DMX 169

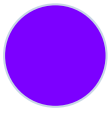
83 
Deep Lavender
DMX 170–171

84 
Lagoon Blue
DMX 172–173

85 
Dark Steel Blue
DMX 174–175

86 
Loving Amber
DMX 176–178

87 
Chrome Orange
DMX 179

88 
Dark Lavender
DMX 180

89
Congo Blue
DMX 181

90
Light Red
DMX 182

91
Moonlight Blue
DMX 183

92
Cosmetic Peach
DMX 184–185

93
Cosmetic Silver Rose
DMX 186

94
Cosmetic Rouge
DMX 187

95
Cosmetic Highlight
DMX 188

96
Cosmetic Silver Moss
DMX 189–190

97 Cosmetic Aqua Blue
DMX 191

98 Flesh Pink
DMX 192–193

99 Surprise Pink
DMX 194

100 Zenith Blue
DMX 195

101 True Blue
DMX 196

102 Alice Blue
DMX 197

103 Palace Blue
DMX 198

104 Regal Blue
DMX 199

105 Double CT Blue
DMX 200

106 Full CT Blue
DMX 201

107 1/2 CT Blue
DMX 202

108 1/4 CT Blue
DMX 203

109 Full CT Orange
DMX 204

110 1/2 CT Orange
DMX 205

111 1/4 CT Orange
DMX 206

112 Full CT Orange +
DMX 207

113 Full CT Orange + *6ND
DMX 208

114 30% Neutral Density
DMX 209

115 60% Neutral Density
DMX 210

116 90% Neutral Density
DMX 211

117 LCT Yellow
DMX 212

118 White Flame Green
DMX 213–215

119 White Diffusion
DMX 216

120 Blue Diffusion
DMX 217

121 1/8 CT Blue
DMX 218

122 LEE Fluorescent Green
DMX 219

123 White Frost
DMX 220

124 Blue Frost
DMX 221–222

125 1/8 CT Orange
DMX 223

126 Daylight Blue Frost
DMX 224

127 LEE ND Frost
DMX 225

128 LEE UV
DMX 226–227

129 Brushed Silk
DMX 228

130 1/4 Tough Spun
DMX 229

131 Super Correction
DMX 230–231

132 Super White Flame Green
DMX 232–235

133 HMI (To Tungsten)
DMX 236

134 CID (To Tungsten)
DMX 237

135 CSI (To Tungsten)
DMX 238

136 Polariser
DMX 239–240

137 LEE Fluorescent 5700 K
DMX 241

138 LEE Fluorescent 4300 K
DMX 242

139 LEE Fluorescent 3600 K
DMX 243

140 LEE Plus Green
DMX 244

141 1/2 Plus Green
DMX 245

142 1/4 Plus Green
DMX 246

143 LEE Minus Green
DMX 247

144 1/2 Minus Green
DMX 248

145 1/4 Minus Green
DMX 249

146 1/2 White Diffusion
DMX 250

147 1/4 White Diffusion
DMX 251

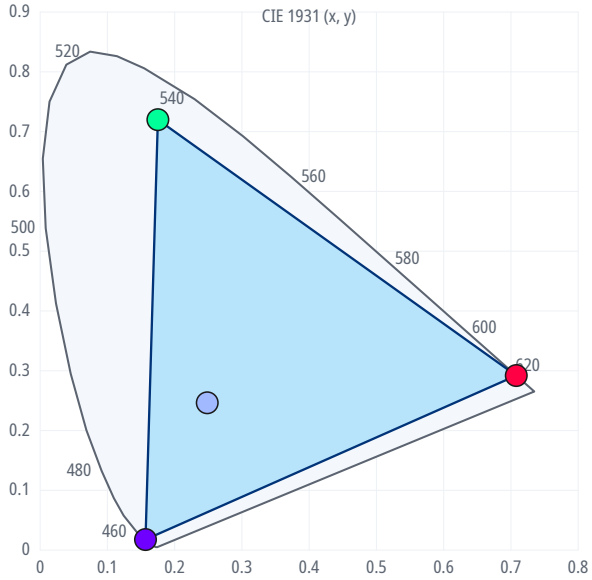
148 1/8 White Diffusion
DMX 252

149 Hampshire Frost
DMX 253

150 New Hampshire Frost
DMX 254

151 Hollywood Frost
DMX 255

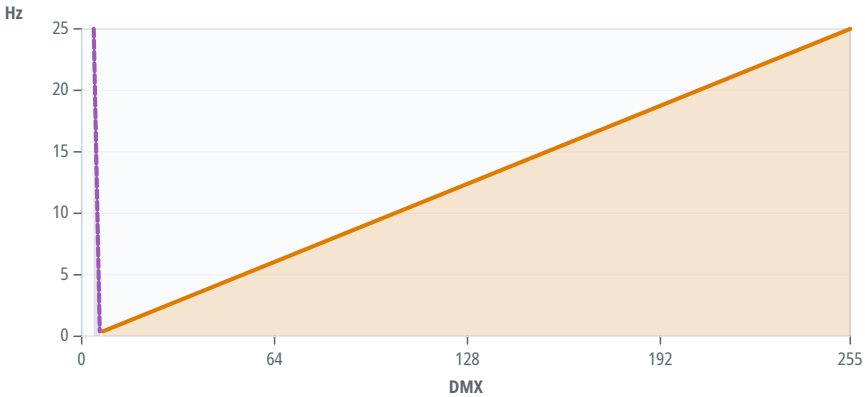
LED colors and the colors they mix



LED	x	y
Red	0.708	0.292
Green	0.175	0.720
Blue	0.157	0.018
White	0.248	0.246

The shaded area holds the colors the LEDs can mix; the dots are the LED colors the GDTF file states.

Strobe rate



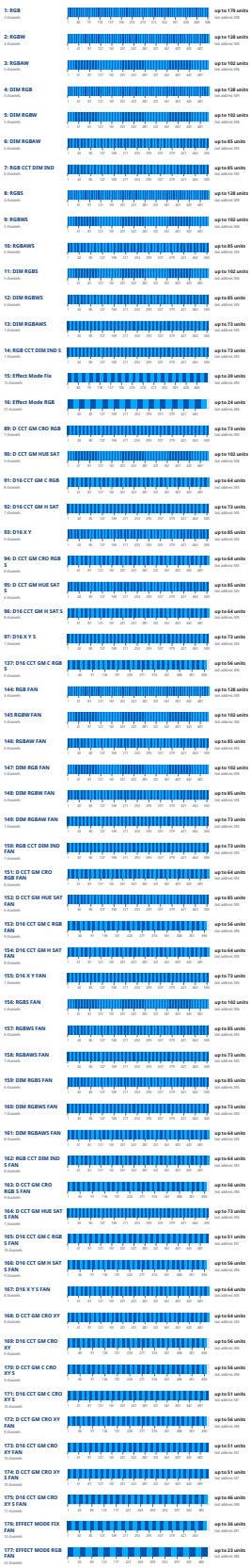
CH 2 · 176: EFFECT MODE FIX FAN

4–6: 25–0.4 Hz
Random Strobe

7–255: 0.4–25 Hz
Variable Strobe

8 DMX channels

Units in one DMX universe



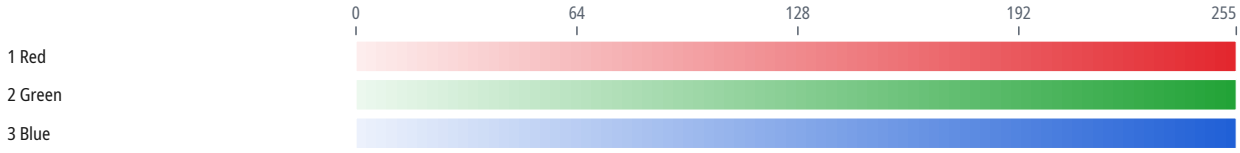
Start addresses of 20 units in the mode “177: EFFECT MODE RGB FAN”

Unit	Start address	Unit	Start address	Unit	Start address	Unit	Start address
1	1	6	111	11	221	16	331
2	23	7	133	12	243	17	353
3	45	8	155	13	265	18	375
4	67	9	177	14	287	19	397
5	89	10	199	15	309	20	419

Mode 1: RGB

The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255.

Channel functions at a glance

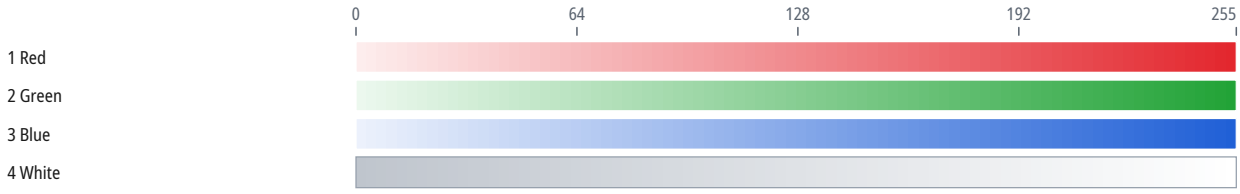


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	

Mode 2: RGBW

The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 White 255.

Channel functions at a glance

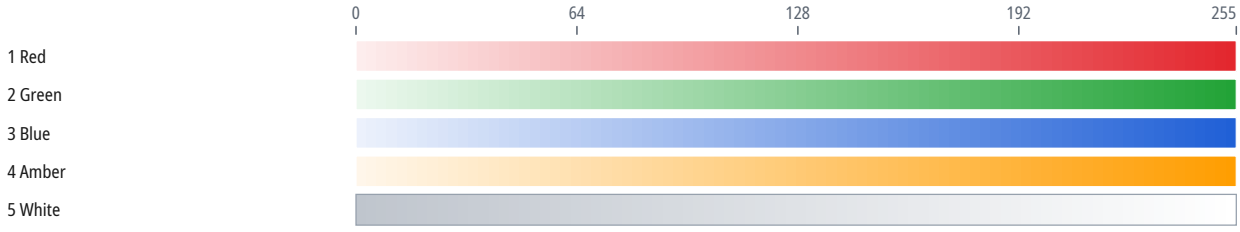


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	White	0–255	

Mode 3: RGBAW

The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 Amber 255, CH 5 White 255.

Channel functions at a glance

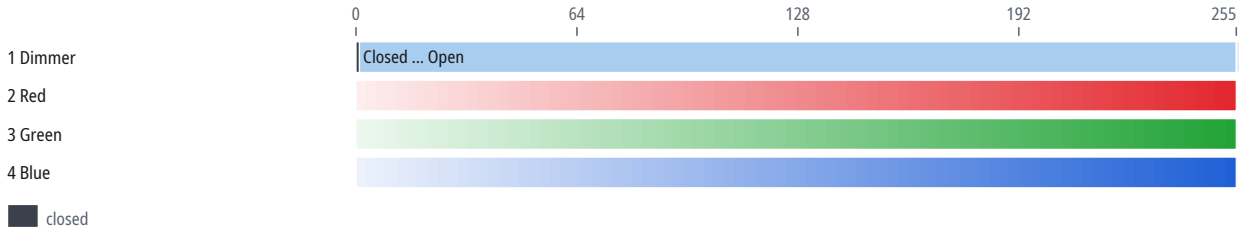


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Amber	0–255	
5	White	0–255	

Mode 4: DIM RGB

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, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255.

Channel functions at a glance

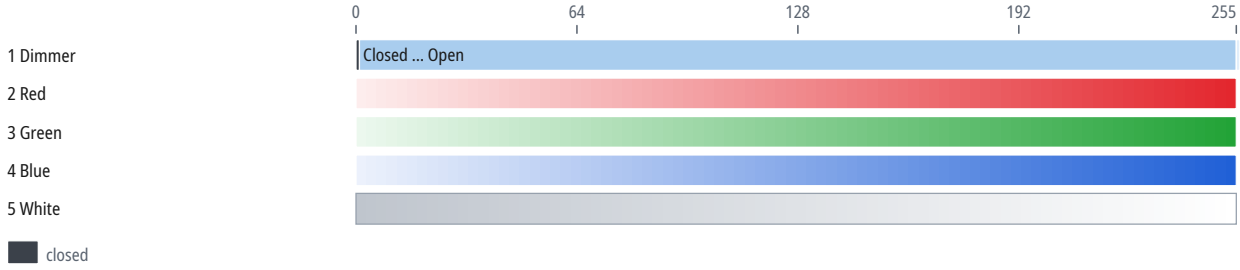


CH	Function	DMX	Description
1	Dimmer	0	Closed
		1–254	Closed ... Open
		255	Open
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	

Mode 5: DIM RGBW

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, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255, CH 5 White 255.

Channel functions at a glance

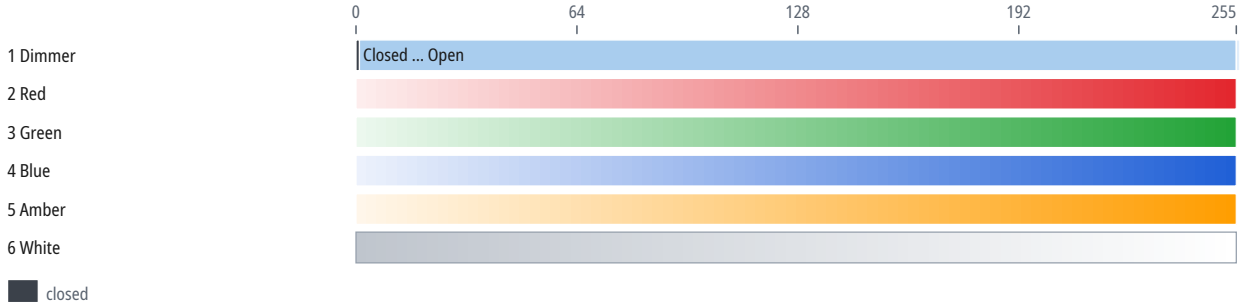


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	
5	White	0–255	

Mode 6: DIM RGBAW

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, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255, CH 5 Amber 255, CH 6 White 255.

Channel functions at a glance

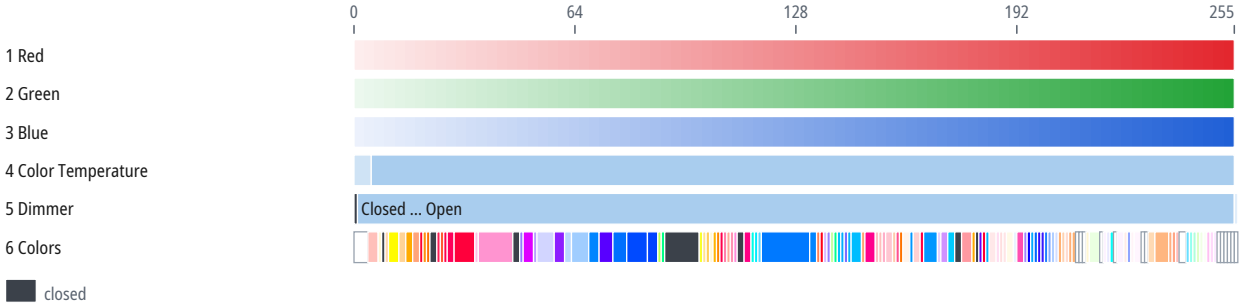


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	
5	Amber	0–255	
6	White	0–255	

Mode 7: RGB CCT DIM IND

If the device receives DMX in this mode but gives no light, check these channels: CH 5 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 5 Dimmer 255, CH 6 Colors 254.

Channel functions at a glance



CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Color Temperature	0–4	No effect
		5–255	CTC 2 (2000–7100 K)
5	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
6	Colors		Index Colors 1
		0–3	No effect
		4–6	Medium Bastard Amber
		7	Pale Yellow
		8	Dark Salmon
		9	Pale Amber Gold
		10–12	Medium Yellow
		13–14	Straw Tint
		15–16	Deep Straw
		17–18	Surprise Peach
		19	Fire
		20	Medium Amber
		21	Gold Amber
		22–23	Dark Amber
		24	Scarlet
		25	Sunset Red
		26	Bright Red
		27–28	Medium Red
		29–34	Plasa Red
		35	Light Pink
		36–45	Medium Pink
		46–47	Dark Magenta

CH	Function	DMX	Description
6	Colors (continued)	48	Rose Purple
		49–51	Medium Purple
		52	Light Lavender
		53–57	Paler Lavender
		58–60	Lavender
		61–62	Mist Blue
		63–67	Pale Blue
		68–70	Sky Blue
		71–74	Tokyo Blue
		75–78	Evening Blue
		79–84	Just Blue
		85–87	Deeper Blue
		88	Lime Green
		89	Moss Green
		90–99	Dark Yellow Green
		100	Spring Yellow
		101	Yellow
		102	Light Amber
		103	Straw
		104	Deep Amber
		105	Orange
		106	Primary Red
		107	Light Rose
		108	English Rose
		109	Light Salmon
		110	Middle Rose
		111–112	Dark Pink
		113–114	Magenta
		115	Peacock Blue
		116	Medium Blue-Green
		117	Steel Blue
		118–131	Light Blue
		132–133	Medium Blue
		134	Golden Amber
		135	Deep Golden Amber
		136	Pale Lavender
		137	Special Lavender
		138	Pale Green
		139	Primary Green
		140	Summer Blue
		141	Bright Blue
		142	Pale Violet

CH	Function	DMX	Description
6	Colors (continued)	143	Pale Navy Blue
		144–146	No Colour Blue
		147	Apricot
		148–150	Bright Rose
		151	Gold Tint
		152	Pale Gold
		153	Pale Salmon
		154–155	Pale Rose
		156	Chocolate
		157	Pink
		158	Deep Orange
		159–160	No Colour Straw
		161	Slate Blue
		162–163	Bastard Amber
		164	Flame Red
		165–168	Daylight Blue
		169	Lilac Tint
		170–171	Deep Lavender
		172–173	Lagoon Blue
		174–175	Dark Steel Blue
		176–178	Loving Amber
		179	Chrome Orange
		180	Dark Lavender
		181	Congo Blue
		182	Light Red
		183	Moonlight Blue
		184–185	Cosmetic Peach
		186	Cosmetic Silver Rose
		187	Cosmetic Rouge
		188	Cosmetic Highlight
		189–190	Cosmetic Silver Moss
		191	Cosmetic Aqua Blue
		192–193	Flesh Pink
		194	Surprise Pink
		195	Zenith Blue
		196	True Blue
		197	Alice Blue
		198	Palace Blue
		199	Regal Blue
		200	Double CT Blue
		201	Full CT Blue
		202	1/2 CT Blue

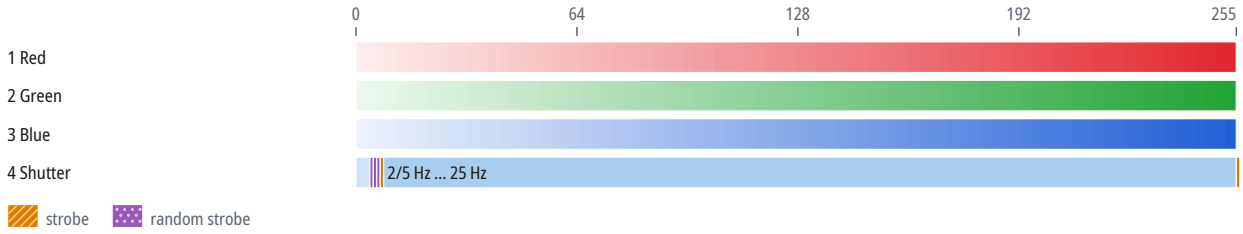
CH	Function	DMX	Description
6	Colors (continued)	203	1/4 CT Blue
		204	Full CT Orange
		205	1/2 CT Orange
		206	1/4 CT Orange
		207–208	Full CT Orange +
		209	30% Neutral Density
		210	60% Neutral Density
		211	90% Neutral Density
		212	LCT Yellow
		213–215	White Flame Green
		216	White Diffusion
		217	Blue Diffusion
		218	1/8 CT Blue
		219	LEE Fluorescent Green
		220	White Frost
		221–222	Blue Frost
		223	1/8 CT Orange
		224	Daylight Blue Frost
		225	LEE ND Frost
		226–227	LEE UV
		228	Brushed Silk
		229	1/4 Tough Spun
		230–231	Super Correction
		232–235	Super White Flame Green
		236	HMI (To Tungsten)
		237	CID (To Tungsten)
		238	CSI (To Tungsten)
		239–240	Polariser
		241	LEE Fluorescent 5700 K
		242	LEE Fluorescent 4300 K
		243	LEE Fluorescent 3600 K
		244	LEE Plus Green
		245	1/2 Plus Green
		246	1/4 Plus Green
		247	LEE Minus Green
		248	1/2 Minus Green
		249	1/4 Minus Green
		250	1/2 White Diffusion
		251	1/4 White Diffusion
		252	1/8 White Diffusion

CH	Function	DMX	Description
6	Colors (continued)	253	Hampshire Frost
		254	New Hampshire Frost
		255	Hollywood Frost

Mode 8: RGBS

If the device receives DMX in this mode but gives no light, check these channels: CH 4 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255.

Channel functions at a glance

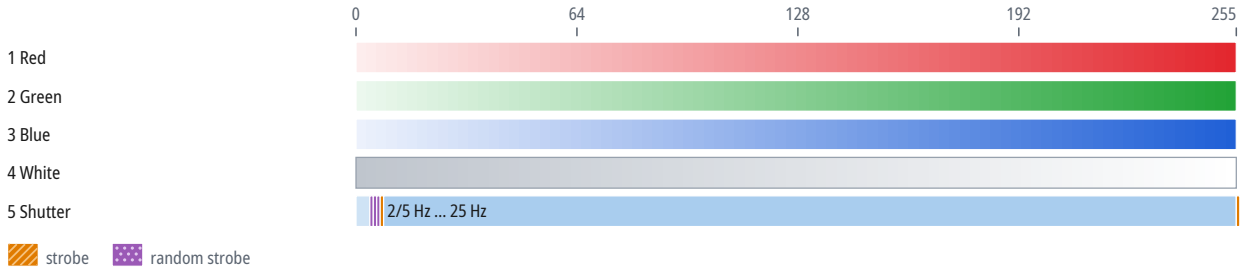


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Shutter	0–3	Strobe Off: Off
		4	Random Fast
		5	Random Medium
		6	Random Slow
		7	2/5 Hz
		8–254	2/5 Hz ... 25 Hz
		255	25 Hz

Mode 9: RGBWS

If the device receives DMX in this mode but gives no light, check these channels: CH 5 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 White 255.

Channel functions at a glance

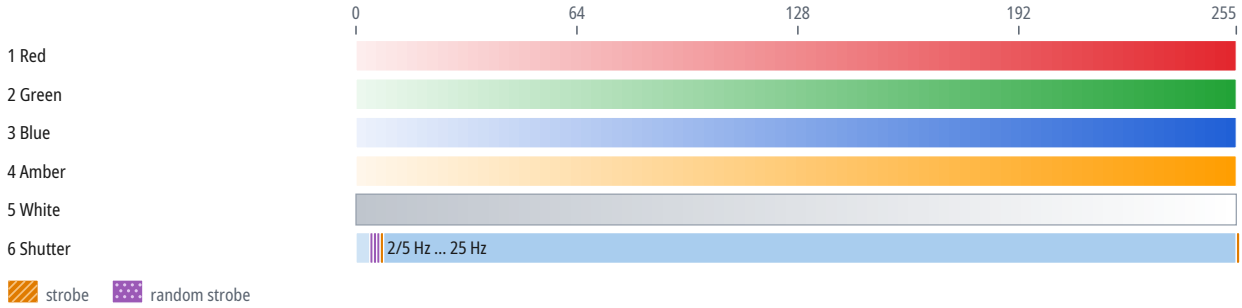


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	White	0–255	
5	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 10: RGBAWS

If the device receives DMX in this mode but gives no light, check these channels: CH 6 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 Amber 255, CH 5 White 255.

Channel functions at a glance

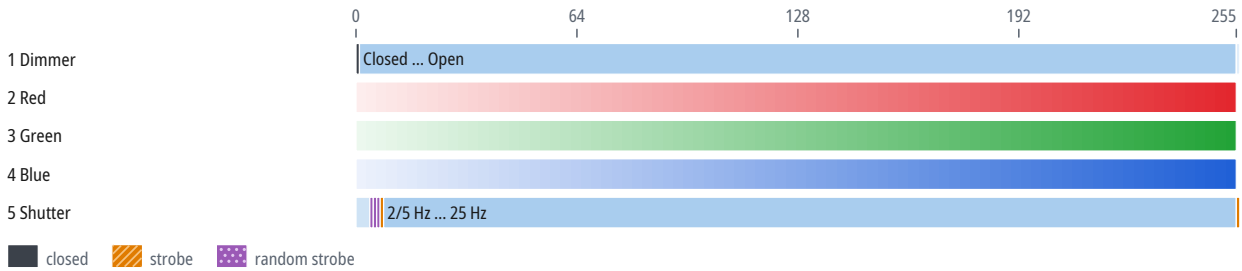


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Amber	0–255	
5	White	0–255	
6	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 11: DIM RGBS

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 5 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255.

Channel functions at a glance

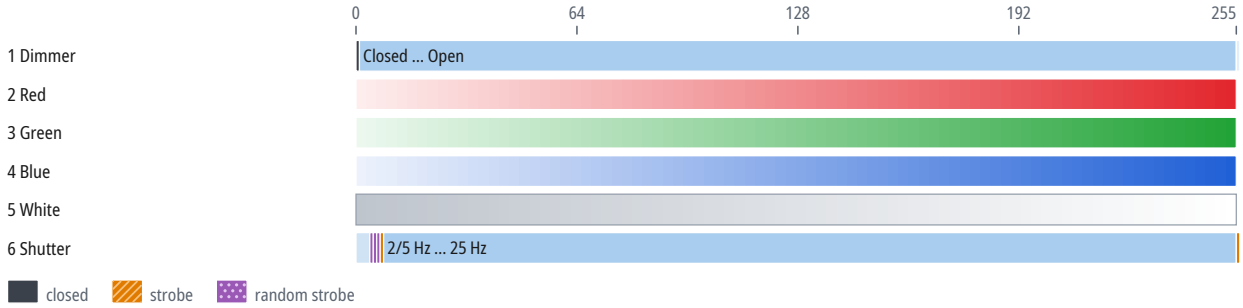


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	
5	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 12: DIM RGBWS

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 6 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255, CH 5 White 255.

Channel functions at a glance

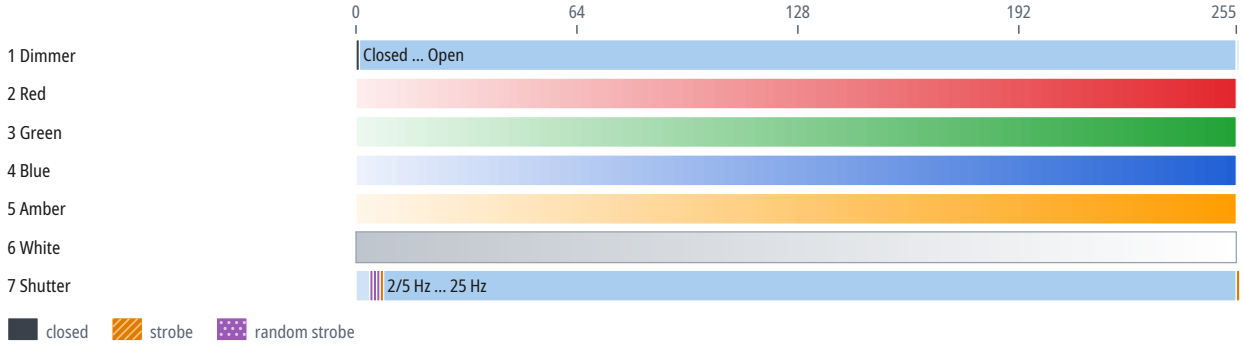


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	
5	White	0–255	
6	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 13: DIM RGBAWS

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 7 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255, CH 5 Amber 255, CH 6 White 255.

Channel functions at a glance

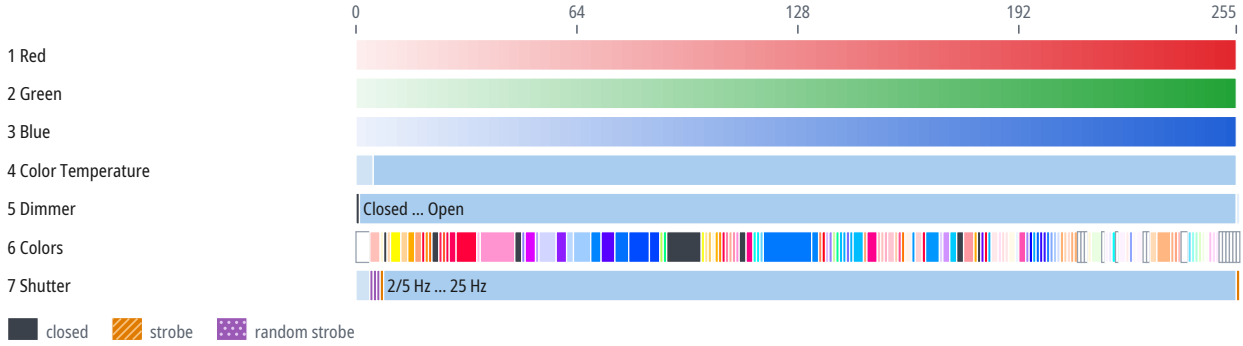


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	
5	Amber	0–255	
6	White	0–255	
7	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 14: RGB CCT DIM IND S

If the device receives DMX in this mode but gives no light, check these channels: CH 5 Dimmer above 0; CH 7 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 Color Temperature 0, CH 5 Dimmer 255, CH 6 Colors 254.

Channel functions at a glance

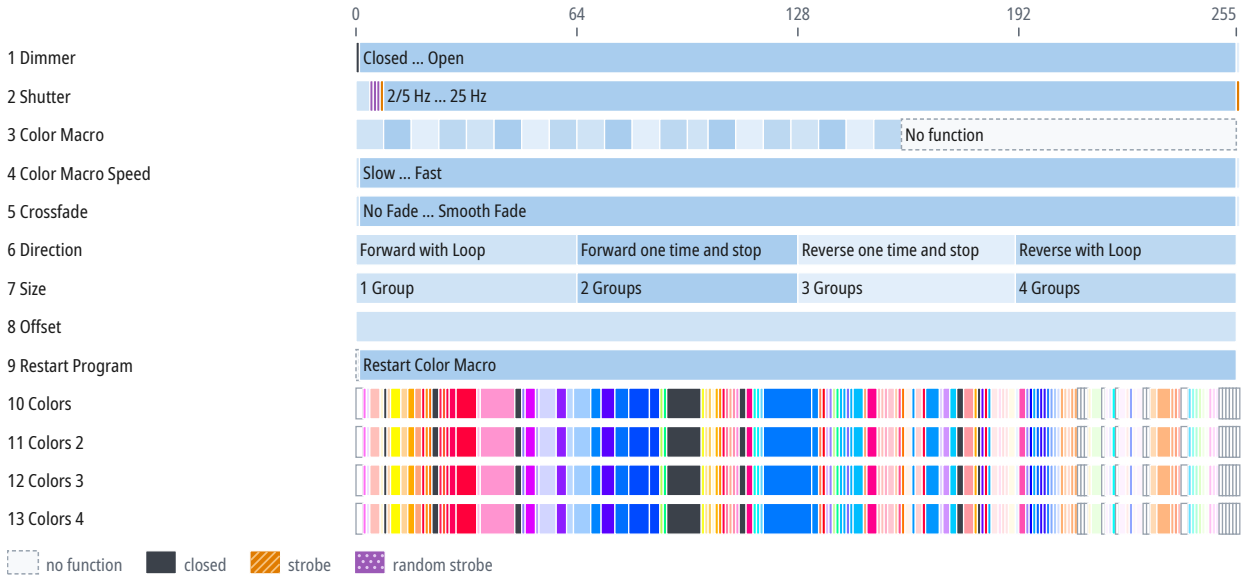


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Color Temperature		Same as CH 4 in the mode “7: RGB CCT DIM IND” (p. 16)
5	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
6	Colors		Same as CH 6 in the mode “7: RGB CCT DIM IND” (p. 16)
7	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 15: Effect Mode Fix

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 2 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 10 Colors 254, CH 11 Colors 2 254, CH 12 Colors 3 254, CH 13 Colors 4 254.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
3	Color Macro	0–7	One Color Static
		8–15	Two Color Static
		16–23	Three Color Static
		24–31	Four Color Static
		32–39	One Color Fade
		40–47	Two Color Fade
		48–55	Three Color Fade
		56–63	Four Color Fade
		64–71	Simple Running
		72–79	Double Running

CH	Function	DMX	Description
3	Color Macro (continued)	80–87	Two Col Running
		88–95	Flag Running
		96–101	Double Flag Running
		102–109	Spiral 4 Color
		110–117	Spiral 2 Color
		118–125	Rainbow
		126–133	Fire
		134–141	Rotor
		142–149	Rotor Split 2
		150–157	Rotor Split 4
		158–255	No function
4	Color Macro Speed	0	Slow
		1–254	Slow ... Fast
		255	Fast
5	Crossfade	0	No Fade
		1–254	No Fade ... Smooth Fade
		255	Smooth Fade
6	Direction	0–63	Forward with Loop
		64–127	Forward one time and stop
		128–190	Reverse one time and stop
		191–255	Reverse with Loop
7	Size	0–63	1 Group
		64–127	2 Groups
		128–190	3 Groups
		191–255	4 Groups
8	Offset	0–255	
9	Restart Program	0	No Function
		1–255	Restart Color Macro
10	Colors		Index Colors 1
		0–1	No effect
		2	Rose Pink
		3	Lavender Tint
		4–6	Medium Bastard Amber
		7	Pale Yellow
		8	Dark Salmon
		9	Pale Amber Gold
		10–12	Medium Yellow
		13–14	Straw Tint
		15–16	Deep Straw
		17–18	Surprise Peach
		19	Fire

CH	Function	DMX	Description
10	Colors (continued)	20	Medium Amber
		21	Gold Amber
		22–23	Dark Amber
		24	Scarlet
		25	Sunset Red
		26	Bright Red
		27–28	Medium Red
		29–34	Plasa Red
		35	Light Pink
		36–45	Medium Pink
		46–47	Dark Magenta
		48	Rose Purple
		49–51	Medium Purple
		52	Light Lavender
		53–57	Paler Lavender
		58–60	Lavender
		61–62	Mist Blue
		63–67	Pale Blue
		68–70	Sky Blue
		71–74	Tokyo Blue
		75–78	Evening Blue
		79–84	Just Blue
		85–87	Deeper Blue
		88	Lime Green
		89	Moss Green
		90–99	Dark Yellow Green
		100	Spring Yellow
		101	Yellow
		102	Light Amber
		103	Straw
		104	Deep Amber
		105	Orange
		106	Primary Red
		107	Light Rose
		108	English Rose
		109	Light Salmon
		110	Middle Rose
		111–112	Dark Pink
		113–114	Magenta
		115	Peacock Blue
		116	Medium Blue-Green
		117	Steel Blue

CH	Function	DMX	Description
10	Colors (continued)	118–131	Light Blue
		132–133	Medium Blue
		134	Golden Amber
		135	Deep Golden Amber
		136	Pale Lavender
		137	Special Lavender
		138	Pale Green
		139	Primary Green
		140	Summer Blue
		141	Bright Blue
		142	Pale Violet
		143	Pale Navy Blue
		144–146	No Colour Blue
		147	Apricot
		148–150	Bright Rose
		151	Gold Tint
		152	Pale Gold
		153	Pale Salmon
		154–155	Pale Rose
		156	Chocolate
		157	Pink
		158	Deep Orange
		159–160	No Colour Straw
		161	Slate Blue
		162–163	Bastard Amber
		164	Flame Red
		165–168	Daylight Blue
		169	Lilac Tint
		170–171	Deep Lavender
		172–173	Lagoon Blue
		174–175	Dark Steel Blue
		176–178	Loving Amber
		179	Chrome Orange
		180	Dark Lavender
		181	Congo Blue
		182	Light Red
		183	Moonlight Blue
		184–185	Cosmetic Peach
		186	Cosmetic Silver Rose
		187	Cosmetic Rouge
		188	Cosmetic Highlight
		189–190	Cosmetic Silver Moss

CH	Function	DMX	Description
10	Colors (continued)	191	Cosmetic Aqua Blue
		192–193	Flesh Pink
		194	Surprise Pink
		195	Zenith Blue
		196	True Blue
		197	Alice Blue
		198	Palace Blue
		199	Regal Blue
		200	Double CT Blue
		201	Full CT Blue
		202	1/2 CT Blue
		203	1/4 CT Blue
		204	Full CT Orange
		205	1/2 CT Orange
		206	1/4 CT Orange
		207–208	Full CT Orange +
		209	30% Neutral Density
		210	60% Neutral Density
		211	90% Neutral Density
		212	LCT Yellow
		213–215	White Flame Green
		216	White Diffusion
		217	Blue Diffusion
		218	1/8 CT Blue
		219	LEE Fluorescent Green
		220	White Frost
		221–222	Blue Frost
		223	1/8 CT Orange
		224	Daylight Blue Frost
		225	LEE ND Frost
		226–227	LEE UV
		228	Brushed Silk
		229	1/4 Tough Spun
		230–231	Super Correction
		232–235	Super White Flame Green
		236	HMI (To Tungsten)
		237	CID (To Tungsten)
		238	CSI (To Tungsten)
		239–240	Polariser
		241	LEE Fluorescent 5700 K
		242	LEE Fluorescent 4300 K
		243	LEE Fluorescent 3600 K

CH	Function	DMX	Description
10	Colors (continued)	244	LEE Plus Green
		245	1/2 Plus Green
		246	1/4 Plus Green
		247	LEE Minus Green
		248	1/2 Minus Green
		249	1/4 Minus Green
		250	1/2 White Diffusion
		251	1/4 White Diffusion
		252	1/8 White Diffusion
		253	Hampshire Frost
		254	New Hampshire Frost
		255	Hollywood Frost
11	Colors 2		Index Colors 1
		0–1	No effect
		2	Rose Pink
		3	Lavender Tint
		4–6	Medium Bastard Amber
		7	Pale Yellow
		8	Dark Salmon
		9	Pale Amber Gold
		10–12	Medium Yellow
		13–14	Straw Tint
		15–16	Deep Straw
		17–18	Surprise Peach
		19	Fire
		20	Medium Amber
		21	Gold Amber
		22–23	Dark Amber
		24	Scarlet
		25	Sunset Red
		26	Bright Red
		27–28	Medium Red
		29–34	Plasa Red
		35	Light Pink
		36–45	Medium Pink
		46–47	Dark Magenta
		48	Rose Purple
		49–51	Medium Purple
		52	Light Lavender
		53–57	Paler Lavender
		58–60	Lavender
		61–62	Mist Blue

CH	Function	DMX	Description
11	Colors 2 (continued)	63–67	Pale Blue
		68–70	Sky Blue
		71–74	Tokyo Blue
		75–78	Evening Blue
		79–84	Just Blue
		85–87	Deeper Blue
		88	Lime Green
		89	Moss Green
		90–99	Dark Yellow Green
		100	Spring Yellow
		101	Yellow
		102	Light Amber
		103	Straw
		104	Deep Amber
		105	Orange
		106	Primary Red
		107	Light Rose
		108	English Rose
		109	Light Salmon
		110	Middle Rose
		111–112	Dark Pink
		113–114	Magenta
		115	Peacock Blue
		116	Medium Blue-Green
		117	Steel Blue
		118–131	Light Blue
		132–133	Medium Blue
		134	Golden Amber
		135	Deep Golden Amber
		136	Pale Lavender
		137	Special Lavender
		138	Pale Green
		139	Primary Green
		140	Summer Blue
		141	Bright Blue
		142	Pale Violet
		143	Pale Navy Blue
		144–146	No Colour Blue
		147	Apricot
		148–150	Bright Rose
		151	Gold Tint
		152	Pale Gold

CH	Function	DMX	Description
11	Colors 2 (continued)	153	Pale Salmon
		154–155	Pale Rose
		156	Chocolate
		157	Pink
		158	Deep Orange
		159–160	No Colour Straw
		161	Slate Blue
		162–163	Bastard Amber
		164	Flame Red
		165–168	Daylight Blue
		169	Lilac Tint
		170–171	Deep Lavender
		172–173	Lagoon Blue
		174–175	Dark Steel Blue
		176–178	Loving Amber
		179	Chrome Orange
		180	Dark Lavender
		181	Congo Blue
		182	Light Red
		183	Moonlight Blue
		184–185	Cosmetic Peach
		186	Cosmetic Silver Rose
		187	Cosmetic Rouge
		188	Cosmetic Highlight
		189–190	Cosmetic Silver Moss
		191	Cosmetic Aqua Blue
		192–193	Flesh Pink
		194	Surprise Pink
		195	Zenith Blue
		196	True Blue
		197	Alice Blue
		198	Palace Blue
		199	Regal Blue
		200	Double CT Blue
		201	Full CT Blue
		202	1/2 CT Blue
		203	1/4 CT Blue
		204	Full CT Orange
		205	1/2 CT Orange
		206	1/4 CT Orange
		207–208	Full CT Orange +
		209	30% Neutral Density

CH	Function	DMX	Description
11	Colors 2 (continued)	210	60% Neutral Density
		211	90% Neutral Density
		212	LCT Yellow
		213–215	White Flame Green
		216	White Diffusion
		217	Blue Diffusion
		218	1/8 CT Blue
		219	LEE Fluorescent Green
		220	White Frost
		221–222	Blue Frost
		223	1/8 CT Orange
		224	Daylight Blue Frost
		225	LEE ND Frost
		226–227	LEE UV
		228	Brushed Silk
		229	1/4 Tough Spun
		230–231	Super Correction
		232–235	Super White Flame Green
		236	HMI (To Tungsten)
		237	CID (To Tungsten)
		238	CSI (To Tungsten)
		239–240	Polariser
		241	LEE Fluorescent 5700 K
		242	LEE Fluorescent 4300 K
		243	LEE Fluorescent 3600 K
		244	LEE Plus Green
		245	1/2 Plus Green
		246	1/4 Plus Green
		247	LEE Minus Green
		248	1/2 Minus Green
		249	1/4 Minus Green
		250	1/2 White Diffusion
		251	1/4 White Diffusion
		252	1/8 White Diffusion
		253	Hampshire Frost
		254	New Hampshire Frost
		255	Hollywood Frost
12	Colors 3		Index Colors 1
		0–1	No effect
		2	Rose Pink
		3	Lavender Tint
		4–6	Medium Bastard Amber

CH	Function	DMX	Description
12	Colors 3 (continued)	7	Pale Yellow
		8	Dark Salmon
		9	Pale Amber Gold
		10–12	Medium Yellow
		13–14	Straw Tint
		15–16	Deep Straw
		17–18	Surprise Peach
		19	Fire
		20	Medium Amber
		21	Gold Amber
		22–23	Dark Amber
		24	Scarlet
		25	Sunset Red
		26	Bright Red
		27–28	Medium Red
		29–34	Plasa Red
		35	Light Pink
		36–45	Medium Pink
		46–47	Dark Magenta
		48	Rose Purple
		49–51	Medium Purple
		52	Light Lavender
		53–57	Paler Lavender
		58–60	Lavender
		61–62	Mist Blue
		63–67	Pale Blue
		68–70	Sky Blue
		71–74	Tokyo Blue
		75–78	Evening Blue
		79–84	Just Blue
		85–87	Deeper Blue
		88	Lime Green
		89	Moss Green
		90–99	Dark Yellow Green
		100	Spring Yellow
		101	Yellow
		102	Light Amber
		103	Straw
		104	Deep Amber
		105	Orange
		106	Primary Red
		107	Light Rose

CH	Function	DMX	Description
12	Colors 3 (continued)	108	English Rose
		109	Light Salmon
		110	Middle Rose
		111–112	Dark Pink
		113–114	Magenta
		115	Peacock Blue
		116	Medium Blue-Green
		117	Steel Blue
		118–131	Light Blue
		132–133	Medium Blue
		134	Golden Amber
		135	Deep Golden Amber
		136	Pale Lavender
		137	Special Lavender
		138	Pale Green
		139	Primary Green
		140	Summer Blue
		141	Bright Blue
		142	Pale Violet
		143	Pale Navy Blue
		144–146	No Colour Blue
		147	Apricot
		148–150	Bright Rose
		151	Gold Tint
		152	Pale Gold
		153	Pale Salmon
		154–155	Pale Rose
		156	Chocolate
		157	Pink
		158	Deep Orange
		159–160	No Colour Straw
		161	Slate Blue
		162–163	Bastard Amber
		164	Flame Red
		165–168	Daylight Blue
		169	Lilac Tint
		170–171	Deep Lavender
		172–173	Lagoon Blue
		174–175	Dark Steel Blue
		176–178	Loving Amber
		179	Chrome Orange
		180	Dark Lavender

CH	Function	DMX	Description
12	Colors 3 (continued)	181	Congo Blue
		182	Light Red
		183	Moonlight Blue
		184–185	Cosmetic Peach
		186	Cosmetic Silver Rose
		187	Cosmetic Rouge
		188	Cosmetic Highlight
		189–190	Cosmetic Silver Moss
		191	Cosmetic Aqua Blue
		192–193	Flesh Pink
		194	Surprise Pink
		195	Zenith Blue
		196	True Blue
		197	Alice Blue
		198	Palace Blue
		199	Regal Blue
		200	Double CT Blue
		201	Full CT Blue
		202	1/2 CT Blue
		203	1/4 CT Blue
		204	Full CT Orange
		205	1/2 CT Orange
		206	1/4 CT Orange
		207–208	Full CT Orange +
		209	30% Neutral Density
		210	60% Neutral Density
		211	90% Neutral Density
		212	LCT Yellow
		213–215	White Flame Green
		216	White Diffusion
		217	Blue Diffusion
		218	1/8 CT Blue
		219	LEE Fluorescent Green
		220	White Frost
		221–222	Blue Frost
		223	1/8 CT Orange
		224	Daylight Blue Frost
		225	LEE ND Frost
		226–227	LEE UV
		228	Brushed Silk
		229	1/4 Tough Spun
		230–231	Super Correction

CH	Function	DMX	Description
12	Colors 3 (continued)	232–235	Super White Flame Green
		236	HMI (To Tungsten)
		237	CID (To Tungsten)
		238	CSI (To Tungsten)
		239–240	Polariser
		241	LEE Fluorescent 5700 K
		242	LEE Fluorescent 4300 K
		243	LEE Fluorescent 3600 K
		244	LEE Plus Green
		245	1/2 Plus Green
		246	1/4 Plus Green
		247	LEE Minus Green
		248	1/2 Minus Green
		249	1/4 Minus Green
		250	1/2 White Diffusion
		251	1/4 White Diffusion
		252	1/8 White Diffusion
		253	Hampshire Frost
		254	New Hampshire Frost
		255	Hollywood Frost
13	Colors 4		Index Colors 1
		0–1	No effect
		2	Rose Pink
		3	Lavender Tint
		4–6	Medium Bastard Amber
		7	Pale Yellow
		8	Dark Salmon
		9	Pale Amber Gold
		10–12	Medium Yellow
		13–14	Straw Tint
		15–16	Deep Straw
		17–18	Surprise Peach
		19	Fire
		20	Medium Amber
		21	Gold Amber
		22–23	Dark Amber
		24	Scarlet
		25	Sunset Red
		26	Bright Red
		27–28	Medium Red
		29–34	Plasa Red
		35	Light Pink

CH	Function	DMX	Description
13	Colors 4 (continued)	36–45	Medium Pink
		46–47	Dark Magenta
		48	Rose Purple
		49–51	Medium Purple
		52	Light Lavender
		53–57	Paler Lavender
		58–60	Lavender
		61–62	Mist Blue
		63–67	Pale Blue
		68–70	Sky Blue
		71–74	Tokyo Blue
		75–78	Evening Blue
		79–84	Just Blue
		85–87	Deeper Blue
		88	Lime Green
		89	Moss Green
		90–99	Dark Yellow Green
		100	Spring Yellow
		101	Yellow
		102	Light Amber
		103	Straw
		104	Deep Amber
		105	Orange
		106	Primary Red
		107	Light Rose
		108	English Rose
		109	Light Salmon
		110	Middle Rose
		111–112	Dark Pink
		113–114	Magenta
		115	Peacock Blue
		116	Medium Blue-Green
		117	Steel Blue
		118–131	Light Blue
		132–133	Medium Blue
		134	Golden Amber
		135	Deep Golden Amber
		136	Pale Lavender
		137	Special Lavender
		138	Pale Green
		139	Primary Green
		140	Summer Blue

CH	Function	DMX	Description
13	Colors 4 (continued)	141	Bright Blue
		142	Pale Violet
		143	Pale Navy Blue
		144–146	No Colour Blue
		147	Apricot
		148–150	Bright Rose
		151	Gold Tint
		152	Pale Gold
		153	Pale Salmon
		154–155	Pale Rose
		156	Chocolate
		157	Pink
		158	Deep Orange
		159–160	No Colour Straw
		161	Slate Blue
		162–163	Bastard Amber
		164	Flame Red
		165–168	Daylight Blue
		169	Lilac Tint
		170–171	Deep Lavender
		172–173	Lagoon Blue
		174–175	Dark Steel Blue
		176–178	Loving Amber
		179	Chrome Orange
		180	Dark Lavender
		181	Congo Blue
		182	Light Red
		183	Moonlight Blue
		184–185	Cosmetic Peach
		186	Cosmetic Silver Rose
		187	Cosmetic Rouge
		188	Cosmetic Highlight
		189–190	Cosmetic Silver Moss
		191	Cosmetic Aqua Blue
		192–193	Flesh Pink
		194	Surprise Pink
		195	Zenith Blue
		196	True Blue
		197	Alice Blue
		198	Palace Blue
		199	Regal Blue
		200	Double CT Blue

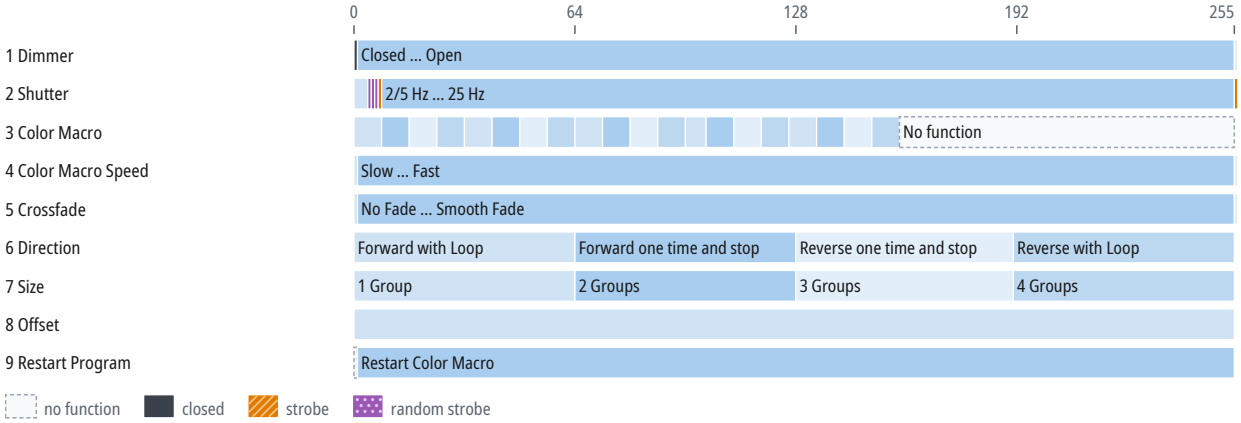
CH	Function	DMX	Description
13	Colors 4 (continued)	201	Full CT Blue
		202	1/2 CT Blue
		203	1/4 CT Blue
		204	Full CT Orange
		205	1/2 CT Orange
		206	1/4 CT Orange
		207–208	Full CT Orange +
		209	30% Neutral Density
		210	60% Neutral Density
		211	90% Neutral Density
		212	LCT Yellow
		213–215	White Flame Green
		216	White Diffusion
		217	Blue Diffusion
		218	1/8 CT Blue
		219	LEE Fluorescent Green
		220	White Frost
		221–222	Blue Frost
		223	1/8 CT Orange
		224	Daylight Blue Frost
		225	LEE ND Frost
		226–227	LEE UV
		228	Brushed Silk
		229	1/4 Tough Spun
		230–231	Super Correction
		232–235	Super White Flame Green
		236	HMI (To Tungsten)
		237	CID (To Tungsten)
		238	CSI (To Tungsten)
		239–240	Polariser
		241	LEE Fluorescent 5700 K
		242	LEE Fluorescent 4300 K
		243	LEE Fluorescent 3600 K
		244	LEE Plus Green
		245	1/2 Plus Green
		246	1/4 Plus Green
		247	LEE Minus Green
		248	1/2 Minus Green
		249	1/4 Minus Green
		250	1/2 White Diffusion
		251	1/4 White Diffusion
		252	1/8 White Diffusion

CH	Function	DMX	Description
13	Colors 4 (continued)	253	Hampshire Frost
		254	New Hampshire Frost
		255	Hollywood Frost

Mode 16: Effect Mode RGB

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 2 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 10 Red 1 255, CH 11 Green 1 255, CH 12 Blue 1 255, CH 13 Red 2 255, CH 14 Green 2 255, CH 15 Blue 2 255, CH 16 Red 3 255, CH 17 Green 3 255, CH 18 Blue 3 255, CH 19 Red 4 255, CH 20 Green 4 255, CH 21 Blue 4 255.

Channel functions at a glance



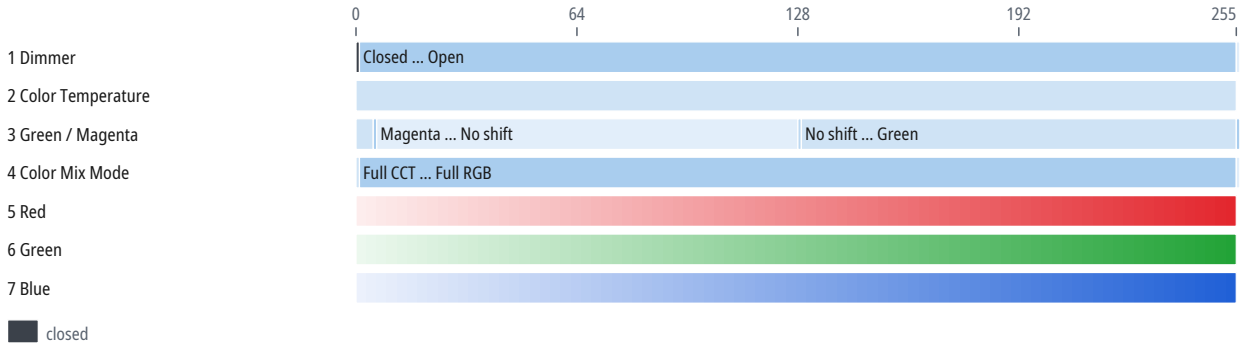
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
3	Color Macro		Same as CH 3 in the mode “15: Effect Mode Fix” (p. 24)
4	Color Macro Speed		Same as CH 4 in the mode “15: Effect Mode Fix” (p. 25)
5	Crossfade		Same as CH 5 in the mode “15: Effect Mode Fix” (p. 25)
6	Direction		Same as CH 6 in the mode “15: Effect Mode Fix” (p. 25)
7	Size		Same as CH 7 in the mode “15: Effect Mode Fix” (p. 25)
8	Offset	0–255	
9	Restart Program		Same as CH 9 in the mode “15: Effect Mode Fix” (p. 25)
10	Red 1	0–255	
11	Green 1	0–255	
12	Blue 1	0–255	
13	Red 2	0–255	
14	Green 2	0–255	
15	Blue 2	0–255	
16	Red 3	0–255	
17	Green 3	0–255	
18	Blue 3	0–255	

CH	Function	DMX	Description
19	Red 4	0–255	
20	Green 4	0–255	
21	Blue 4	0–255	

Mode 89: D CCT GM CRO RGB

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, CH 2 Color Temperature 255, CH 5 Red 255, CH 6 Green 255, CH 7 Blue 255.

Channel functions at a glance

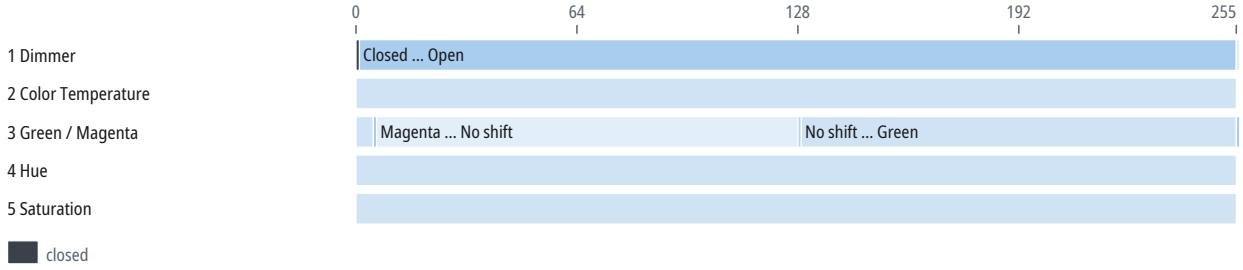


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta	0–4	No effect
		5	Magenta
		6–127	Magenta ... No shift
		128	No shift
		129–254	No shift ... Green
		255	Green
4	Color Mix Mode		Color Crossfade
		0	Full CCT
		1–254	Full CCT ... Full RGB
		255	Full RGB
5	Red	0–255	
6	Green	0–255	
7	Blue	0–255	

Mode 90: D CCT GM HUE SAT

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, CH 2 Color Temperature 255.

Channel functions at a glance



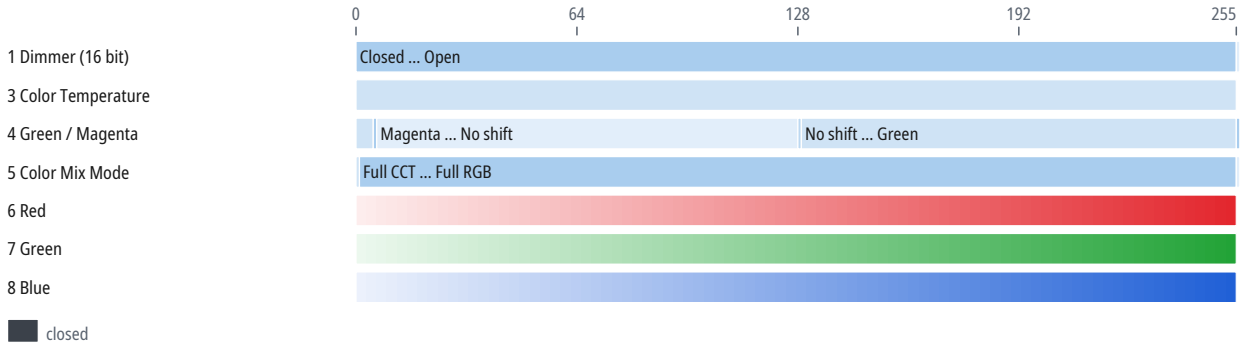
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
4	Hue	0–255	
5	Saturation	0–255	

Mode 91: D16 CCT GM C RGB

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, CH 3 Color Temperature 255, CH 6 Red 255, CH 7 Green 255, CH 8 Blue 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	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Color Mix Mode		Same as CH 4 in the mode “89: D CCT GM CRO RGB” (p. 41)

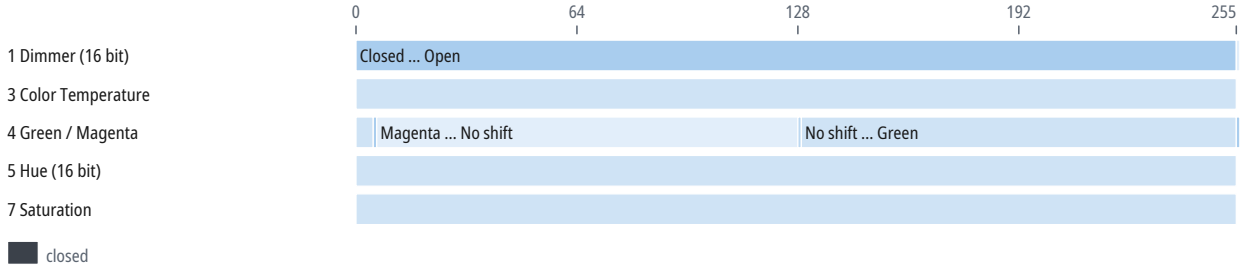
CH	Function	DMX	Description
6	Red	0–255	
7	Green	0–255	
8	Blue	0–255	

Mode 92: D16 CCT GM H SAT

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, CH 3 Color Temperature 255.

Channel functions at a glance



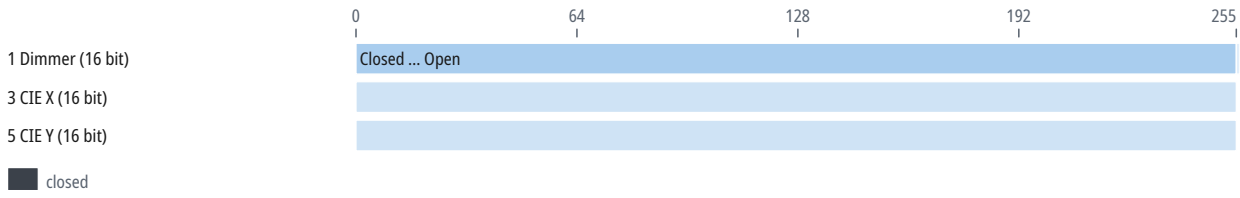
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Hue	0–255	
6	Hue Fine	0–255	Fine adjustment of CH 5
7	Saturation	0–255	

Mode 93: D16 X Y

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

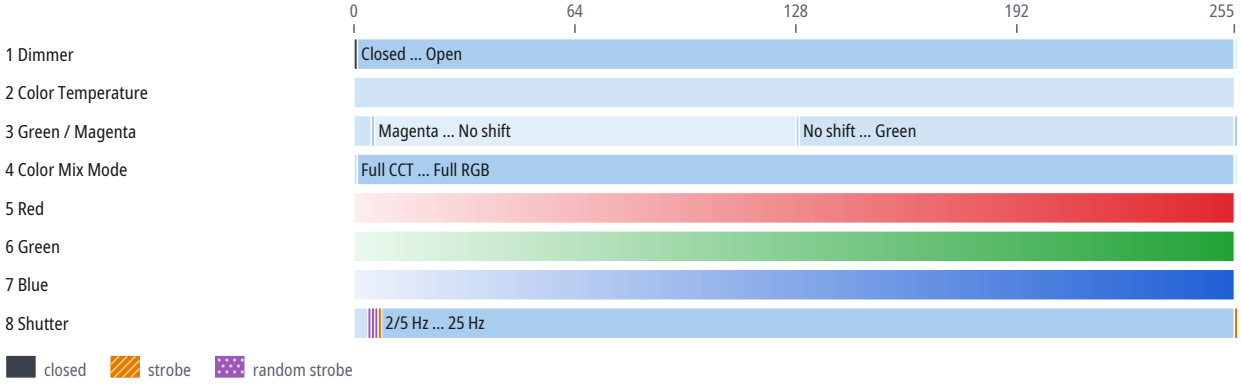


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	CIE X	0–255	
4	CIE X Fine	0–255	Fine adjustment of CH 3
5	CIE Y	0–255	
6	CIE Y Fine	0–255	Fine adjustment of CH 5

Mode 94: D CCT GM CRO RGB S

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 8 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Color Temperature 255, CH 5 Red 255, CH 6 Green 255, CH 7 Blue 255.

Channel functions at a glance

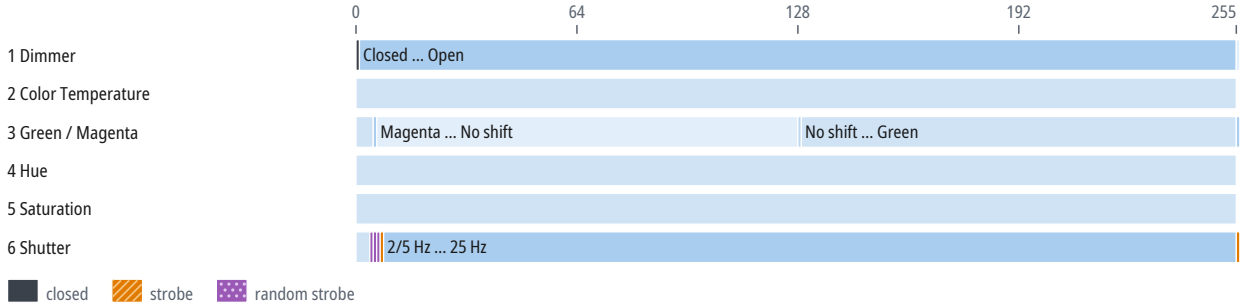


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
4	Color Mix Mode		Same as CH 4 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Red	0–255	
6	Green	0–255	
7	Blue	0–255	
8	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 95: D CCT GM HUE SAT S

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 6 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Color Temperature 255.

Channel functions at a glance



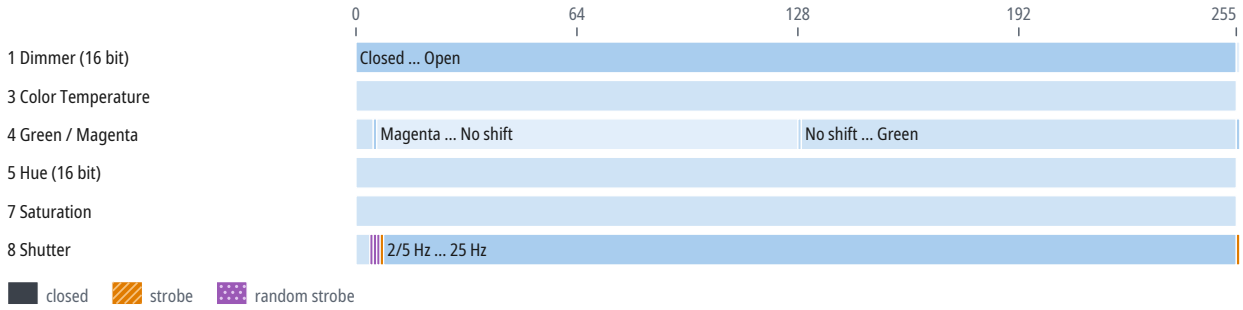
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
4	Hue	0–255	
5	Saturation	0–255	
6	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 96: D16 CCT GM H SAT S

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 8 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Color Temperature 255.

Channel functions at a glance



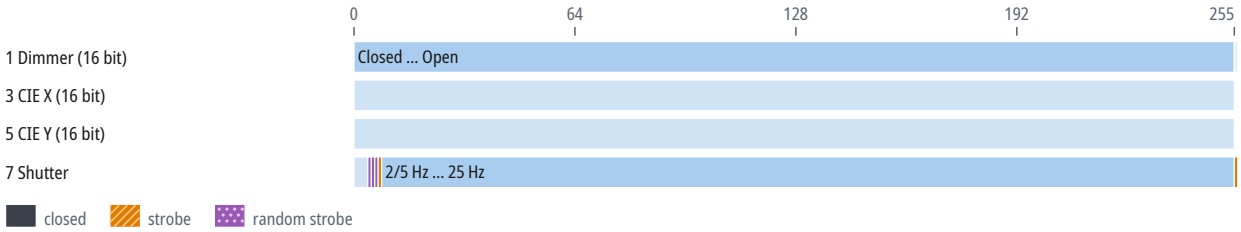
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Hue	0–255	
6	Hue Fine	0–255	Fine adjustment of CH 5
7	Saturation	0–255	
8	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 97: D16 X Y S

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 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



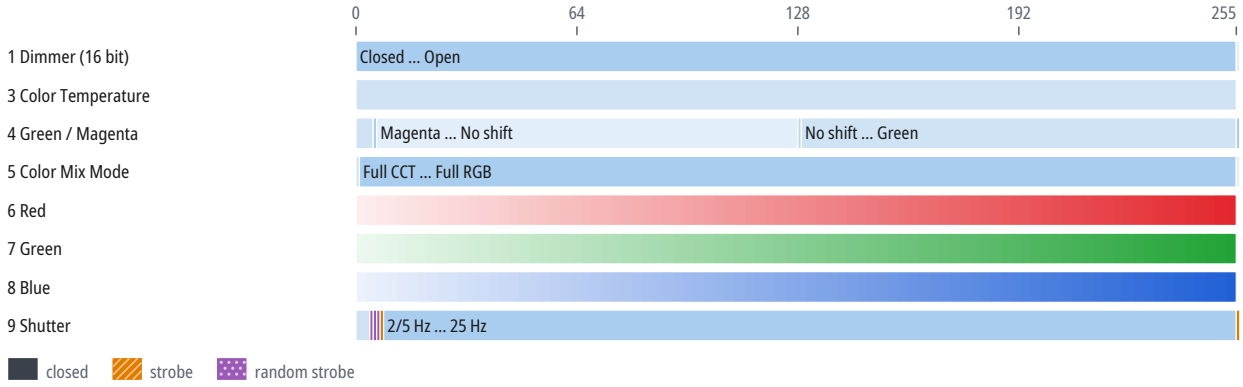
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	CIE X	0–255	
4	CIE X Fine	0–255	Fine adjustment of CH 3
5	CIE Y	0–255	
6	CIE Y Fine	0–255	Fine adjustment of CH 5
7	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 137: D16 CCT GM C RGB S

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 9 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Color Temperature 255, CH 6 Red 255, CH 7 Green 255, CH 8 Blue 255.

Channel functions at a glance

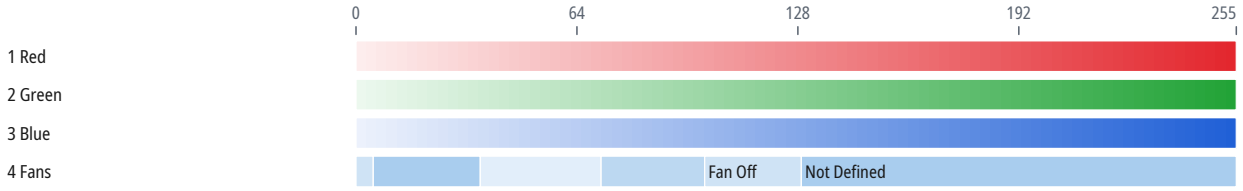


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Color Mix Mode		Same as CH 4 in the mode “89: D CCT GM CRO RGB” (p. 41)
6	Red	0–255	
7	Green	0–255	
8	Blue	0–255	
9	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 144: RGB FAN

The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255.

Channel functions at a glance



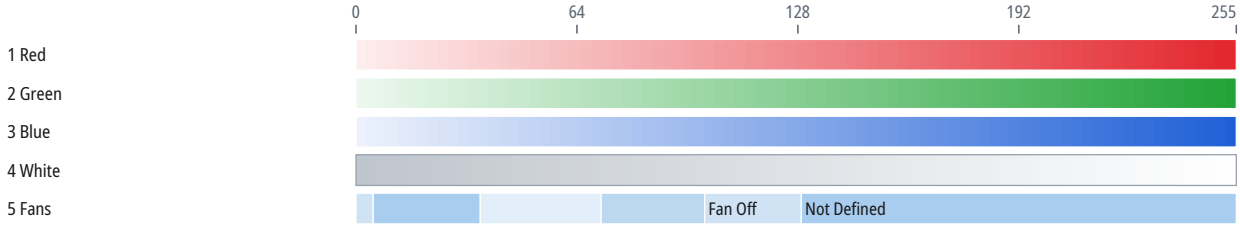
CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Fans	0–4	Fan Auto Speed

CH	Function	DMX	Description
4	Fans (continued)	5–35	Fan Slow Speed
		36–70	Fan Medium Speed
		71–100	Fan Fast Speed
		101–128	Fan Off
		129–255	Not Defined

Mode 145 RGBW FAN

The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 White 255.

Channel functions at a glance

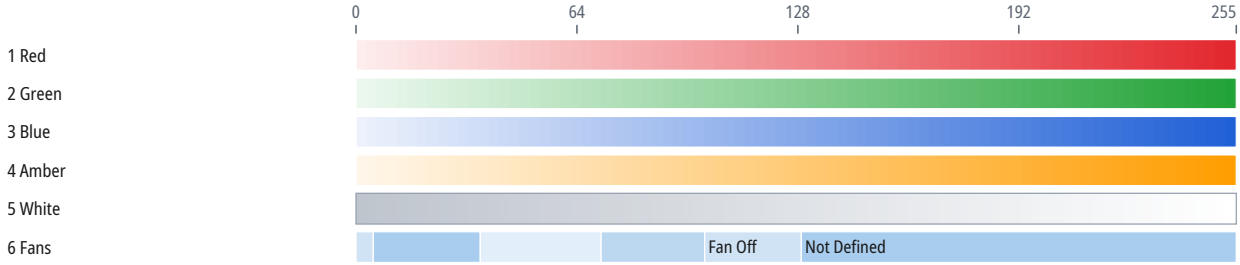


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	White	0–255	
5	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 146: RGBAW FAN

The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 Amber 255, CH 5 White 255.

Channel functions at a glance

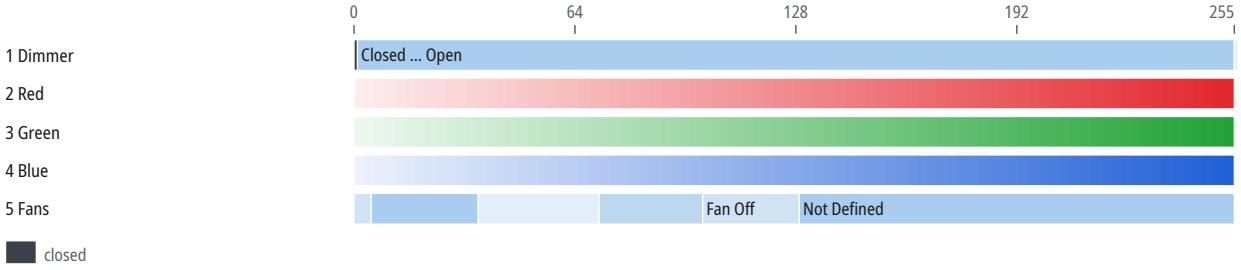


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Amber	0–255	
5	White	0–255	
6	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 147: DIM RGB FAN

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, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255.

Channel functions at a glance

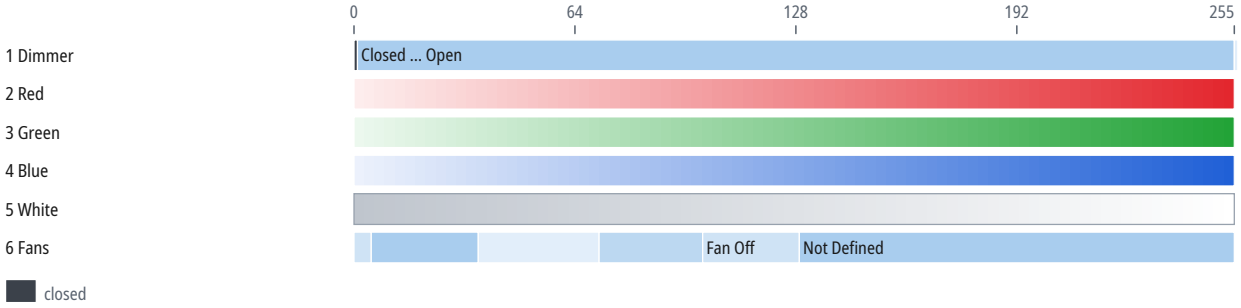


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	
5	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 148: DIM RGBW FAN

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, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255, CH 5 White 255.

Channel functions at a glance

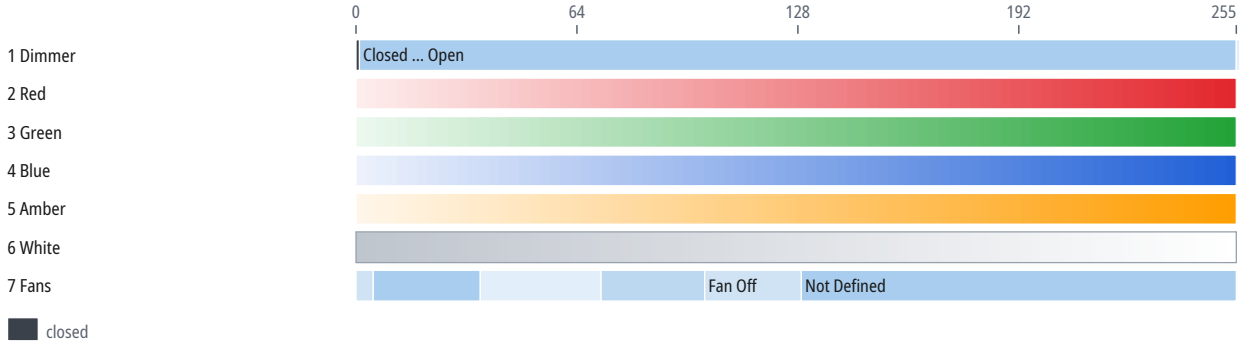


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	
5	White	0–255	
6	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 149: DIM RGBAW FAN

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, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255, CH 5 Amber 255, CH 6 White 255.

Channel functions at a glance

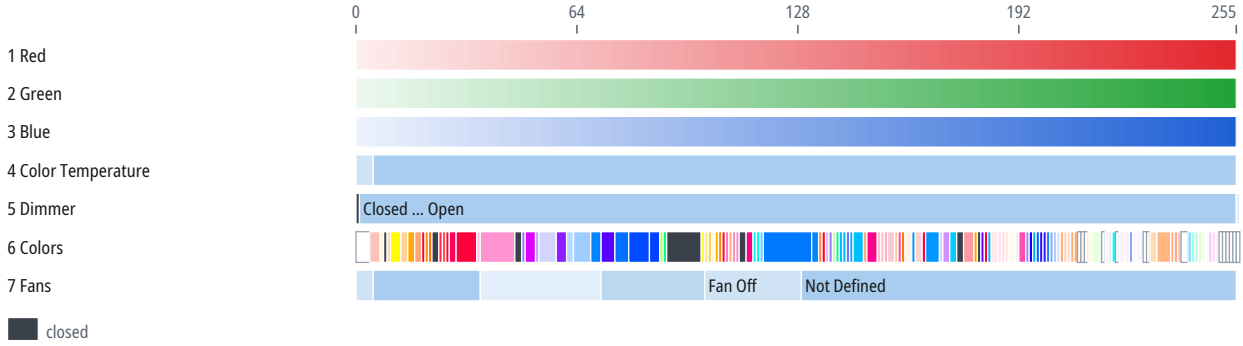


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	
5	Amber	0–255	
6	White	0–255	
7	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 150: RGB CCT DIM IND FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 5 Dimmer above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 Color Temperature 0, CH 5 Dimmer 255, CH 6 Colors 254.

Channel functions at a glance

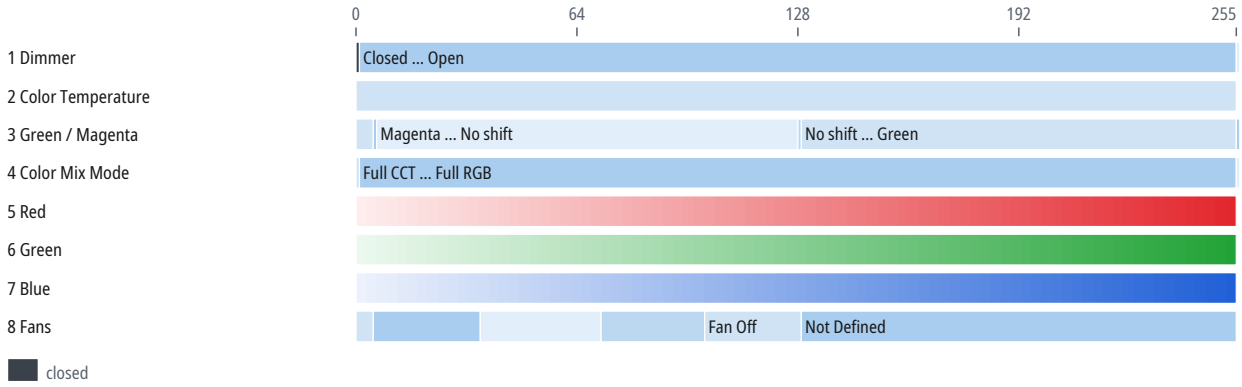


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Color Temperature		Same as CH 4 in the mode “7: RGB CCT DIM IND” (p. 16)
5	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
6	Colors		Same as CH 6 in the mode “7: RGB CCT DIM IND” (p. 16)
7	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 151: D CCT GM CRO RGB FAN

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, CH 2 Color Temperature 255, CH 5 Red 255, CH 6 Green 255, CH 7 Blue 255.

Channel functions at a glance

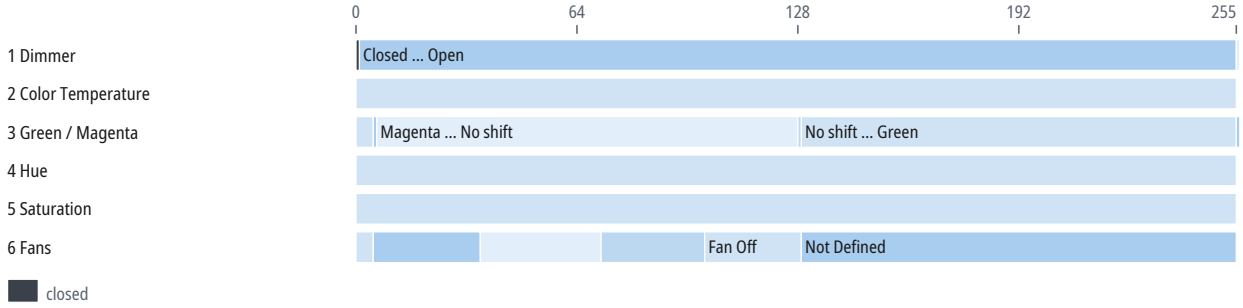


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
4	Color Mix Mode		Same as CH 4 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Red	0–255	
6	Green	0–255	
7	Blue	0–255	
8	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 152: D CCT GM HUE SAT FAN

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, CH 2 Color Temperature 255.

Channel functions at a glance



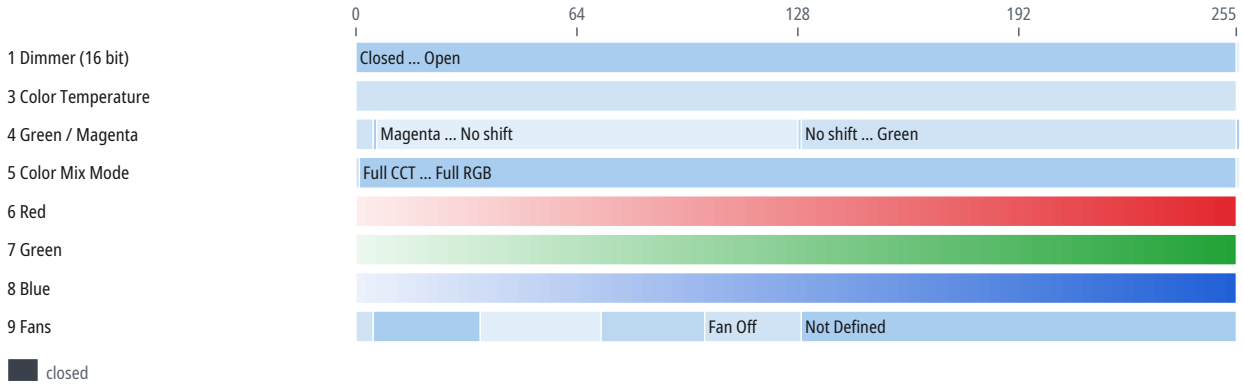
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
4	Hue	0–255	
5	Saturation	0–255	
6	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 153: D16 CCT GM C RGB FAN

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, CH 3 Color Temperature 255, CH 6 Red 255, CH 7 Green 255, CH 8 Blue 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)

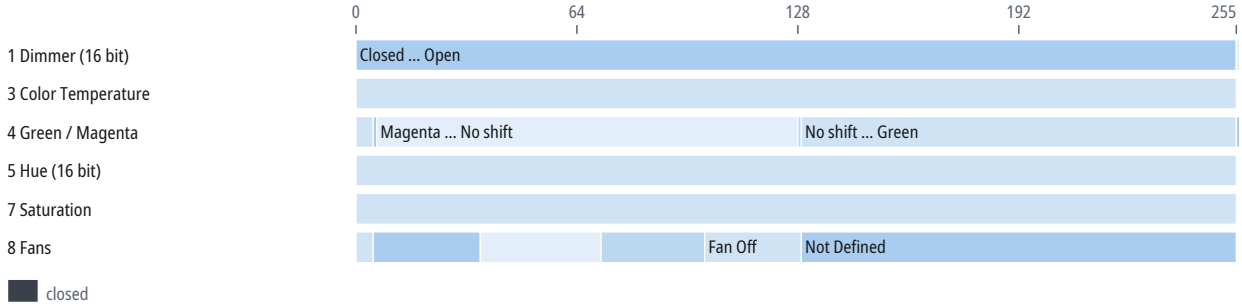
CH	Function	DMX	Description
5	Color Mix Mode		Same as CH 4 in the mode “89: D CCT GM CRO RGB” (p. 41)
6	Red	0–255	
7	Green	0–255	
8	Blue	0–255	
9	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 154: D16 CCT GM H SAT FAN

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, CH 3 Color Temperature 255.

Channel functions at a glance



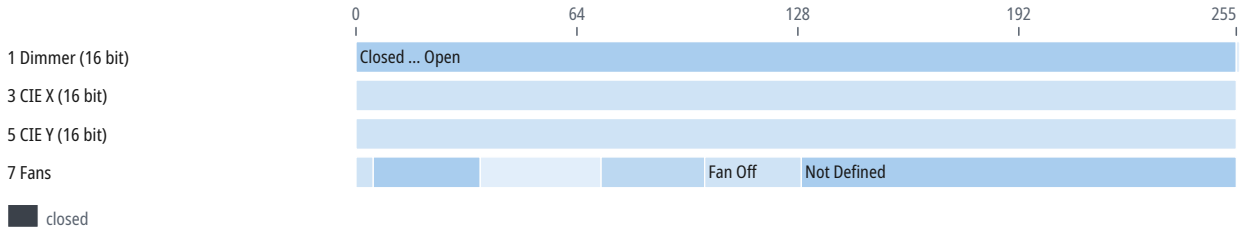
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Hue	0–255	
6	Hue Fine	0–255	Fine adjustment of CH 5
7	Saturation	0–255	
8	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 155: D16 X Y FAN

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

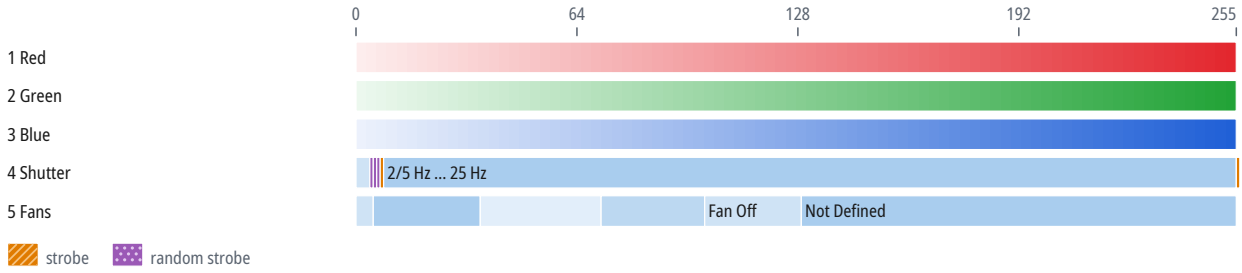


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	CIE X	0–255	
4	CIE X Fine	0–255	Fine adjustment of CH 3
5	CIE Y	0–255	
6	CIE Y Fine	0–255	Fine adjustment of CH 5
7	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 156: RGBS FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 4 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255.

Channel functions at a glance

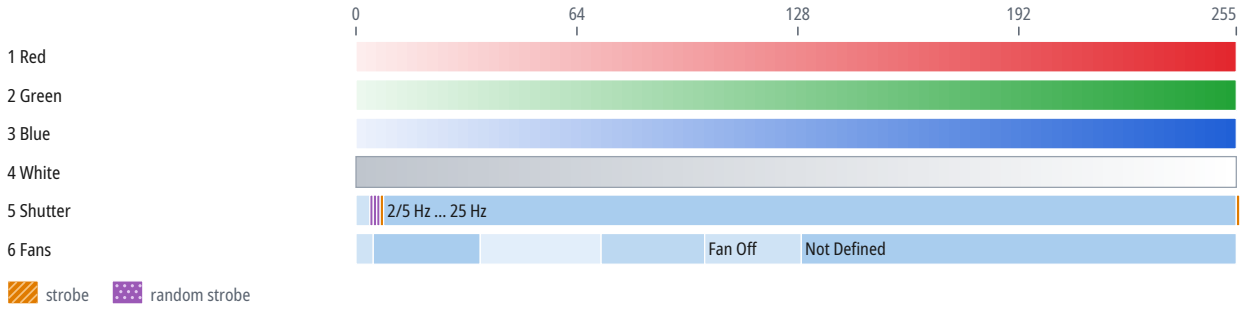


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
5	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 157: RGBWS FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 5 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 White 255.

Channel functions at a glance

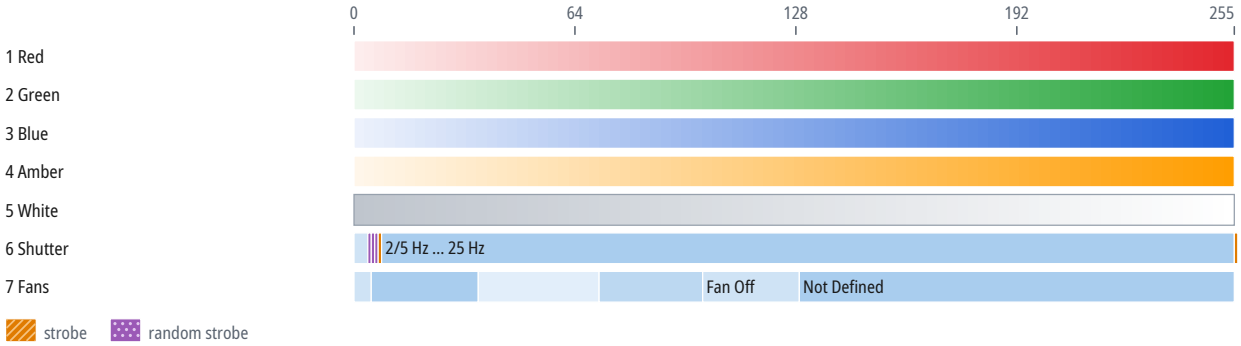


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	White	0–255	
5	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
6	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 158: RGBAWS FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 6 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 Amber 255, CH 5 White 255.

Channel functions at a glance

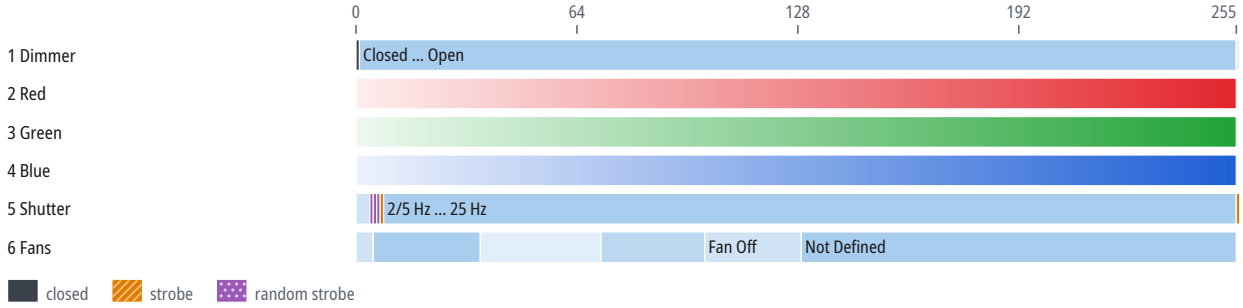


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Amber	0–255	
5	White	0–255	
6	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
7	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 159: DIM RGBS FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 5 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255.

Channel functions at a glance

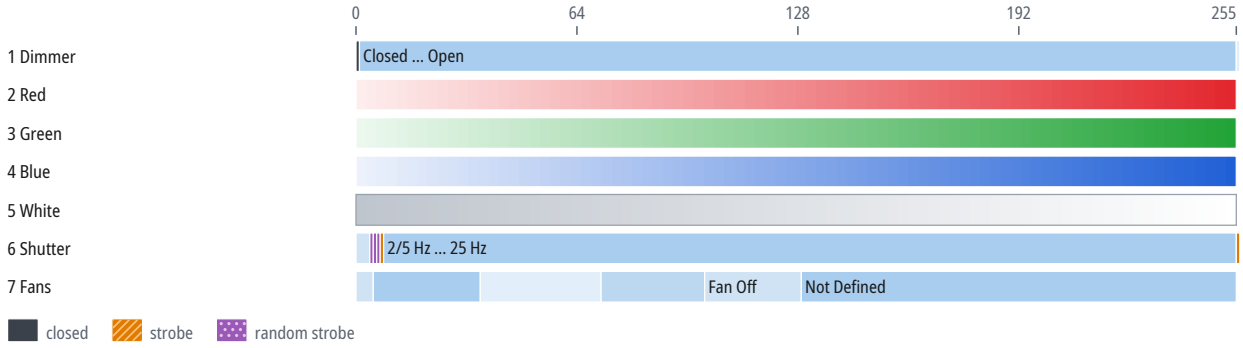


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	
5	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
6	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 160: DIM RGBWS FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 6 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255, CH 5 White 255.

Channel functions at a glance

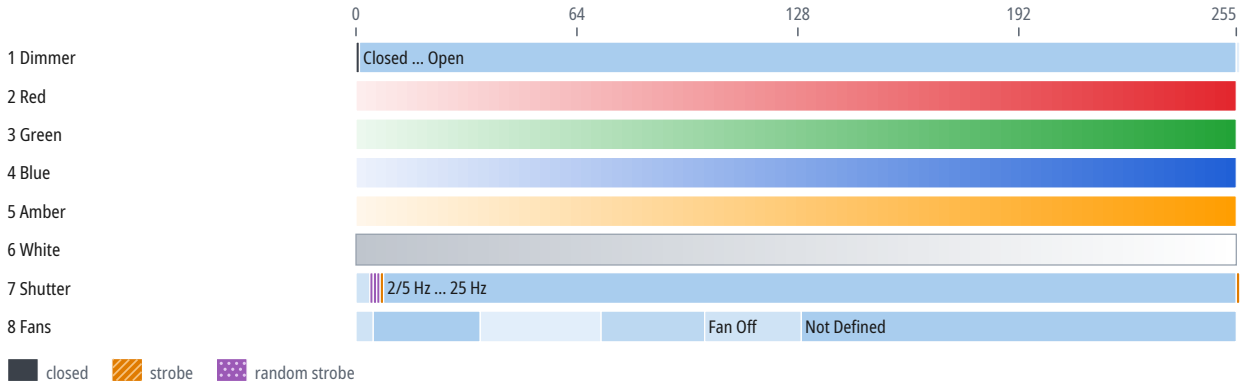


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	
5	White	0–255	
6	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
7	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 161: DIM RGBAWS FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 7 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Red 255, CH 3 Green 255, CH 4 Blue 255, CH 5 Amber 255, CH 6 White 255.

Channel functions at a glance

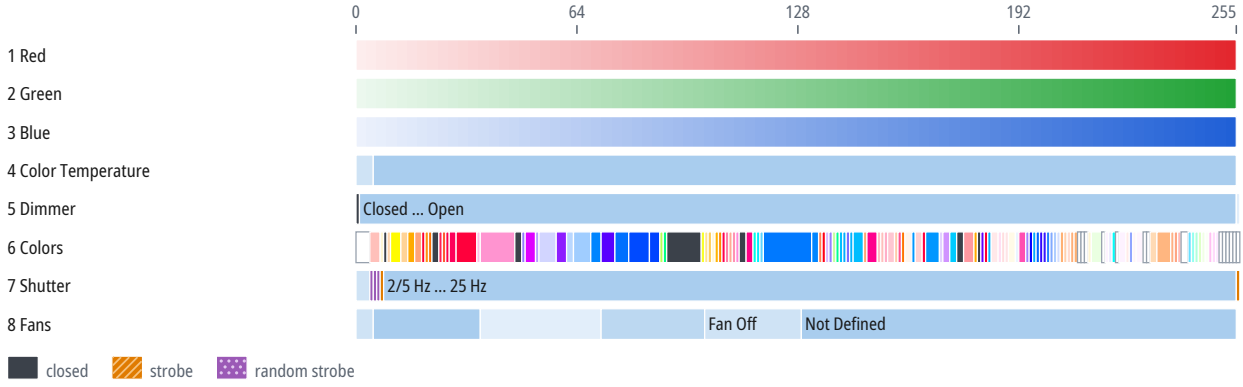


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Red	0–255	
3	Green	0–255	
4	Blue	0–255	
5	Amber	0–255	
6	White	0–255	
7	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
8	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 162: RGB CCT DIM IND S FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 5 Dimmer above 0; CH 7 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Red 255, CH 2 Green 255, CH 3 Blue 255, CH 4 Color Temperature 0, CH 5 Dimmer 255, CH 6 Colors 254.

Channel functions at a glance

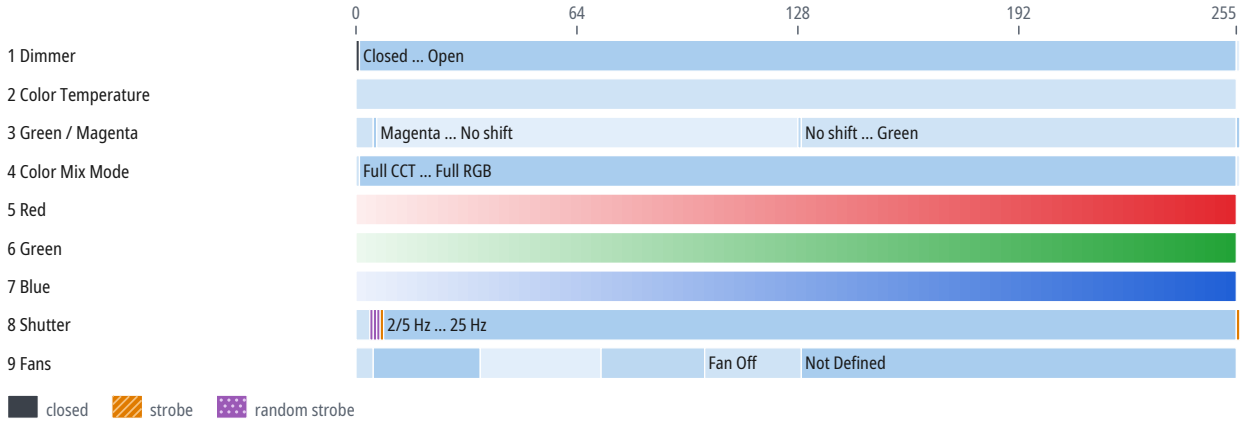


CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Color Temperature		Same as CH 4 in the mode “7: RGB CCT DIM IND” (p. 16)
5	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
6	Colors		Same as CH 6 in the mode “7: RGB CCT DIM IND” (p. 16)
7	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
8	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 163: D CCT GM CRO RGB S FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 8 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Color Temperature 255, CH 5 Red 255, CH 6 Green 255, CH 7 Blue 255.

Channel functions at a glance

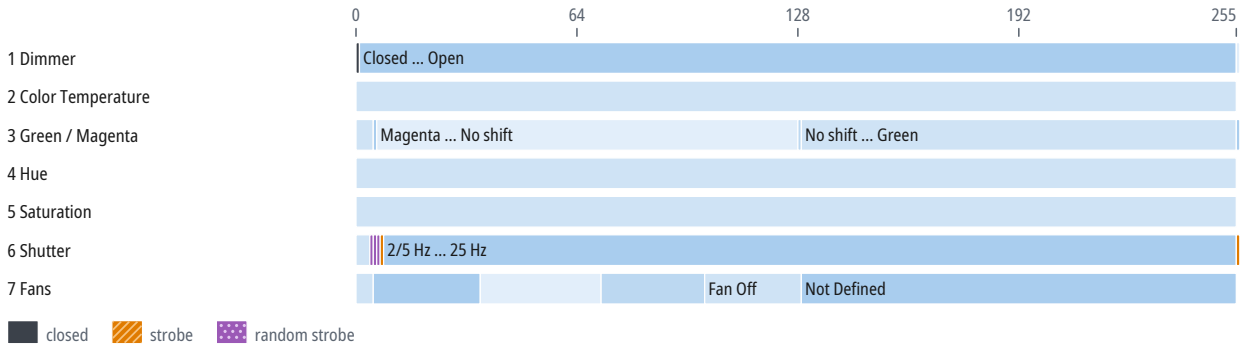


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
4	Color Mix Mode		Same as CH 4 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Red	0–255	
6	Green	0–255	
7	Blue	0–255	
8	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
9	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 164: D CCT GM HUE SAT S FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 6 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Color Temperature 255.

Channel functions at a glance



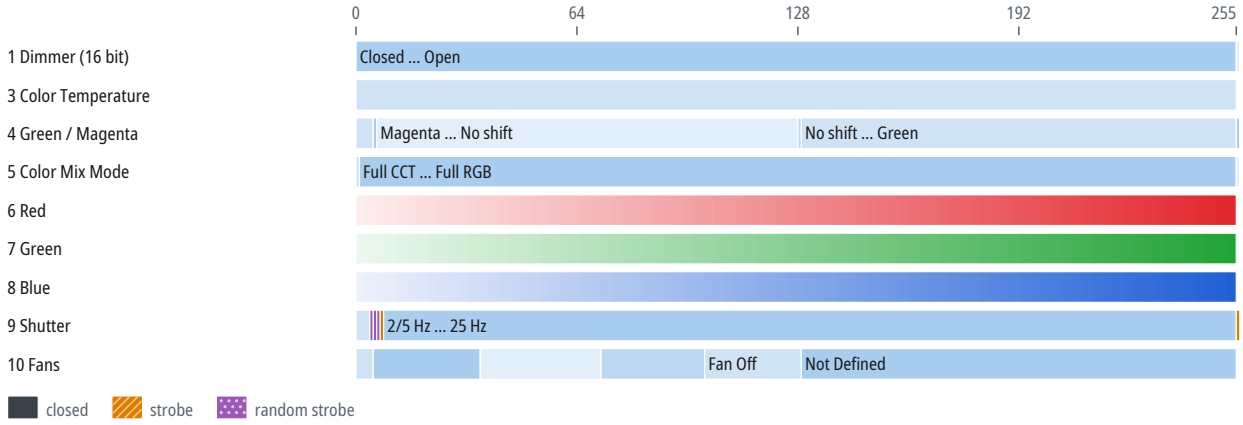
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
4	Hue	0–255	
5	Saturation	0–255	
6	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
7	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 165: D16 CCT GM C RGB S FAN

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 9 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Color Temperature 255, CH 6 Red 255, CH 7 Green 255, CH 8 Blue 255.

Channel functions at a glance



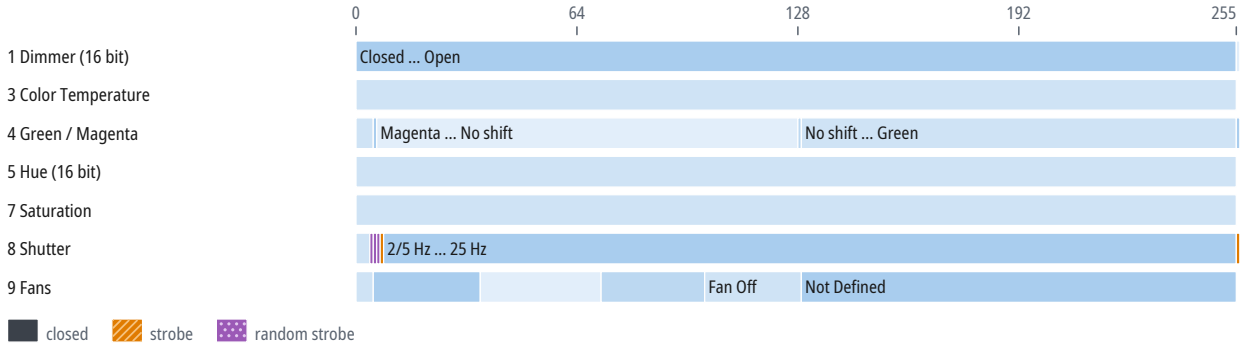
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Color Mix Mode		Same as CH 4 in the mode “89: D CCT GM CRO RGB” (p. 41)
6	Red	0–255	
7	Green	0–255	
8	Blue	0–255	
9	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
10	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 166: D16 CCT GM H SAT S FAN

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 8 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Color Temperature 255.

Channel functions at a glance



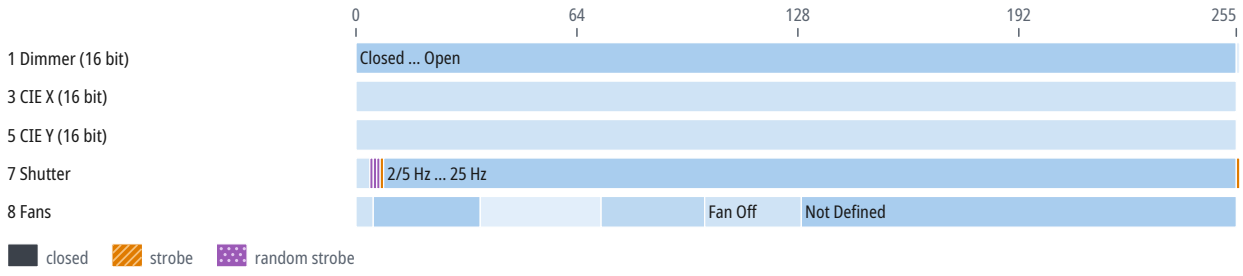
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Hue	0–255	
6	Hue Fine	0–255	Fine adjustment of CH 5
7	Saturation	0–255	
8	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
9	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 167: D16 X Y S FAN

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 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255.

Channel functions at a glance



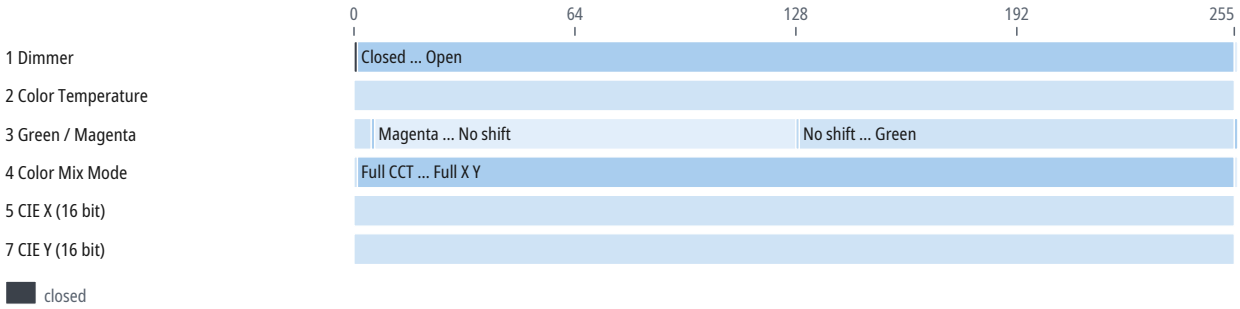
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	CIE X	0–255	
4	CIE X Fine	0–255	Fine adjustment of CH 3
5	CIE Y	0–255	
6	CIE Y Fine	0–255	Fine adjustment of CH 5
7	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
8	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 168: D CCT GM CRO XY

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, CH 2 Color Temperature 255.

Channel functions at a glance



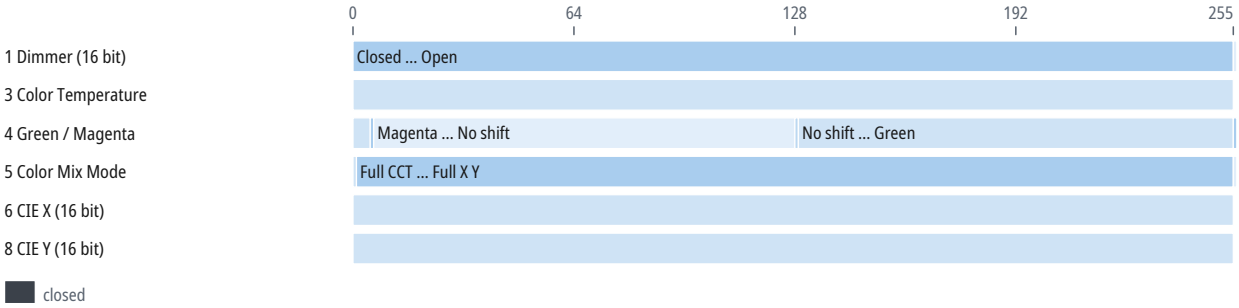
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
4	Color Mix Mode		Color Crossfade
		0	Full CCT
		1–254	Full CCT ... Full X Y
		255	Full X Y
5	CIE X	0–255	
6	CIE X Fine	0–255	Fine adjustment of CH 5
7	CIE Y	0–255	
8	CIE Y Fine	0–255	Fine adjustment of CH 7

Mode 169: D16 CCT GM CRO XY

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, CH 3 Color Temperature 255.

Channel functions at a glance



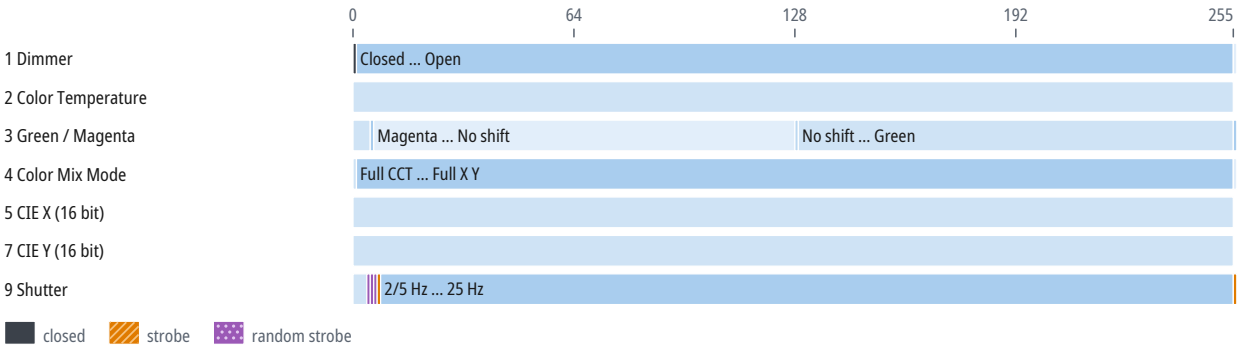
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Color Mix Mode		Same as CH 4 in the mode “168: D CCT GM CRO XY” (p. 62)
6	CIE X	0–255	
7	CIE X Fine	0–255	Fine adjustment of CH 6
8	CIE Y	0–255	
9	CIE Y Fine	0–255	Fine adjustment of CH 8

Mode 170: D CCT GM C CRO XY S

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 9 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Color Temperature 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)

2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
4	Color Mix Mode		Same as CH 4 in the mode “168: D CCT GM CRO XY” (p. 62)
5	CIE X	0–255	
6	CIE X Fine	0–255	Fine adjustment of CH 5

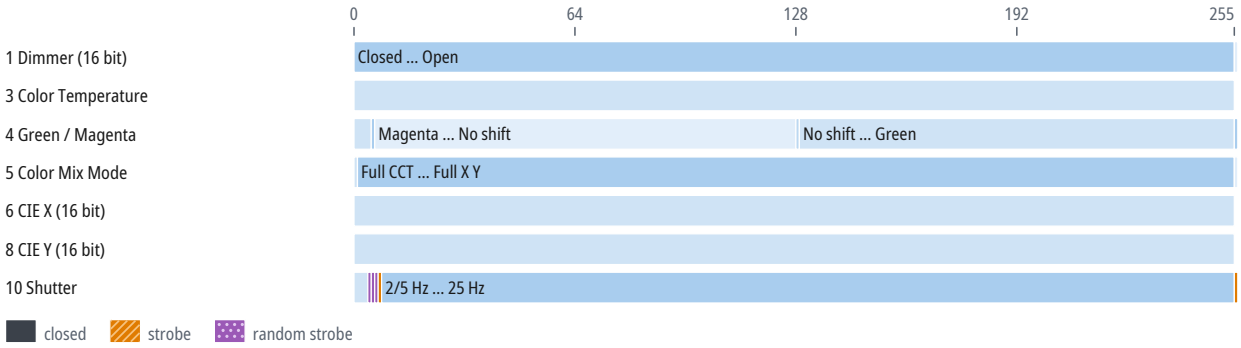
CH	Function	DMX	Description
7	CIE Y	0–255	
8	CIE Y Fine	0–255	Fine adjustment of CH 7
9	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 171: D16 CCT GM C CRO XY S

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 10 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Color Temperature 255.

Channel functions at a glance



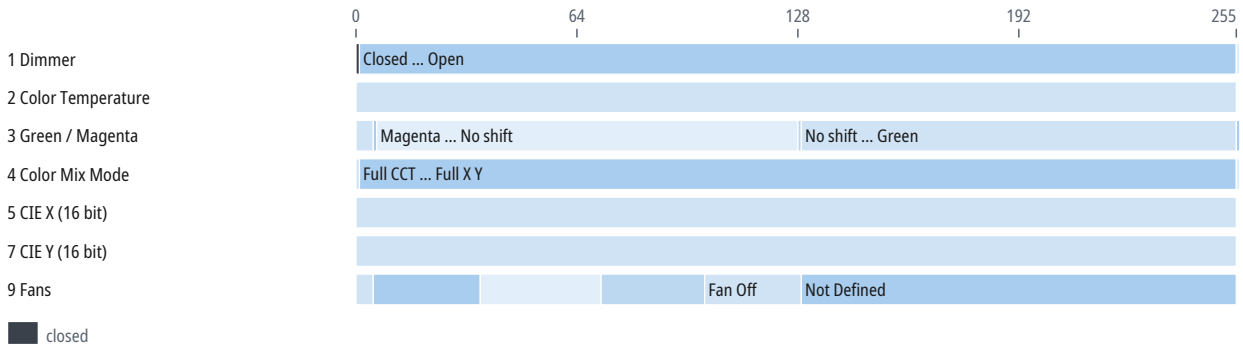
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Color Mix Mode		Same as CH 4 in the mode “168: D CCT GM CRO XY” (p. 62)
6	CIE X	0–255	
7	CIE X Fine	0–255	Fine adjustment of CH 6
8	CIE Y	0–255	
9	CIE Y Fine	0–255	Fine adjustment of CH 8
10	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)

Mode 172: D CCT GM CRO XY FAN

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, CH 2 Color Temperature 255.

Channel functions at a glance



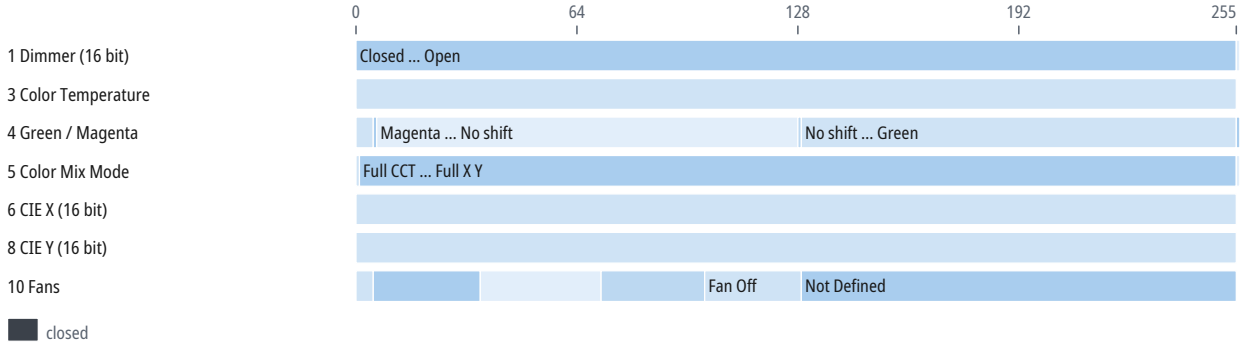
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
4	Color Mix Mode		Same as CH 4 in the mode “168: D CCT GM CRO XY” (p. 62)
5	CIE X	0–255	
6	CIE X Fine	0–255	Fine adjustment of CH 5
7	CIE Y	0–255	
8	CIE Y Fine	0–255	Fine adjustment of CH 7
9	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 173: D16 CCT GM CRO XY FAN

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, CH 3 Color Temperature 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Color Mix Mode		Same as CH 4 in the mode “168: D CCT GM CRO XY” (p. 62)
6	CIE X	0–255	
7	CIE X Fine	0–255	Fine adjustment of CH 6

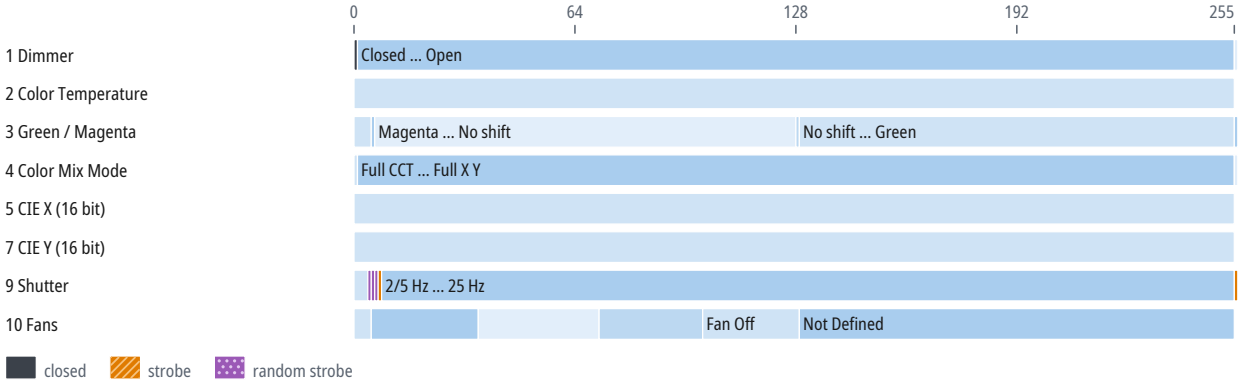
8	CIE Y	0–255	
9	CIE Y Fine	0–255	Fine adjustment of CH 8
10	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 174: D CCT GM CRO XY S FAN

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 9 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 2 Color Temperature 255.

Channel functions at a glance



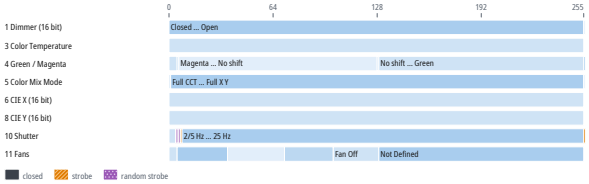
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Color Temperature	0–255	1750–9910 K
3	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
4	Color Mix Mode		Same as CH 4 in the mode “168: D CCT GM CRO XY” (p. 62)
5	CIE X	0–255	
6	CIE X Fine	0–255	Fine adjustment of CH 5
7	CIE Y	0–255	
8	CIE Y Fine	0–255	Fine adjustment of CH 7
9	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
10	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 175: D16 CCT GM CRO XY S FAN

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 10 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 3 Color Temperature 255.

Channel functions at a glance

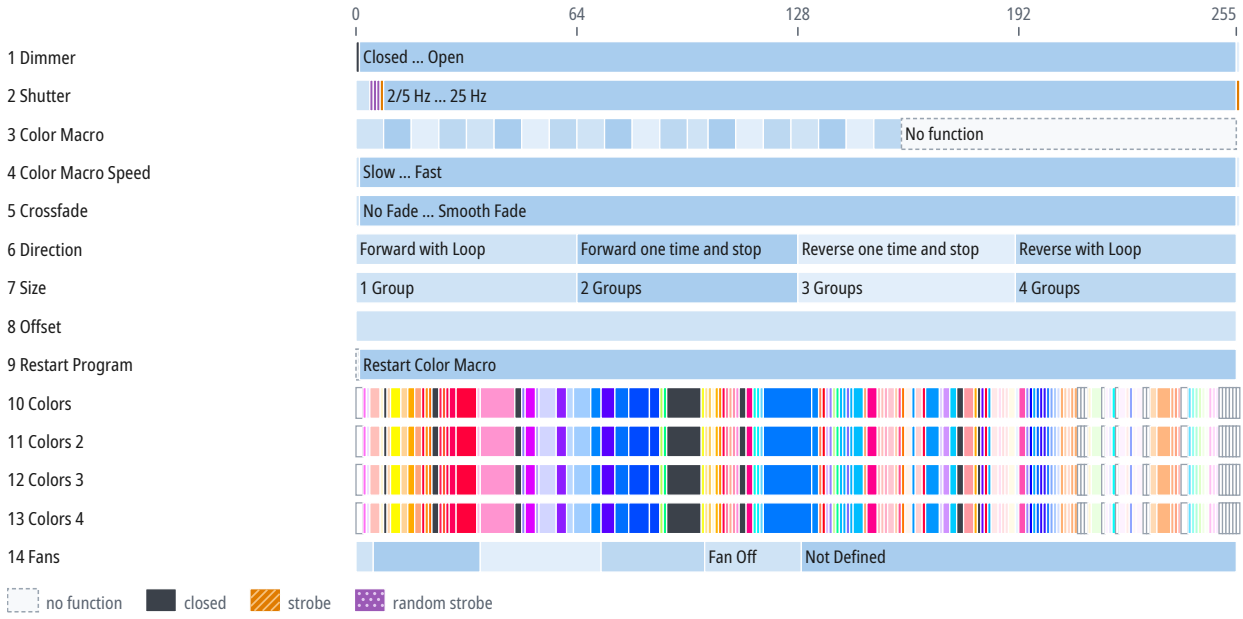


CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “91: D16 CCT GM C RGB” (p. 42)
2	Dimmer Fine	0–255	Fine adjustment of CH 1
CH	**Function**	**DMX**	**Description**
3	Color Temperature	0–255	1750–9910 K
4	Green / Magenta		Same as CH 3 in the mode “89: D CCT GM CRO RGB” (p. 41)
5	Color Mix Mode		Same as CH 4 in the mode “168: D CCT GM CRO XY” (p. 62)
6	CIE X	0–255	
7	CIE X Fine	0–255	Fine adjustment of CH 6
8	CIE Y	0–255	
9	CIE Y Fine	0–255	Fine adjustment of CH 8
10	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
11	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 176: EFFECT MODE FIX FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 2 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 10 Colors 254, CH 11 Colors 2 254, CH 12 Colors 3 254, CH 13 Colors 4 254.

Channel functions at a glance



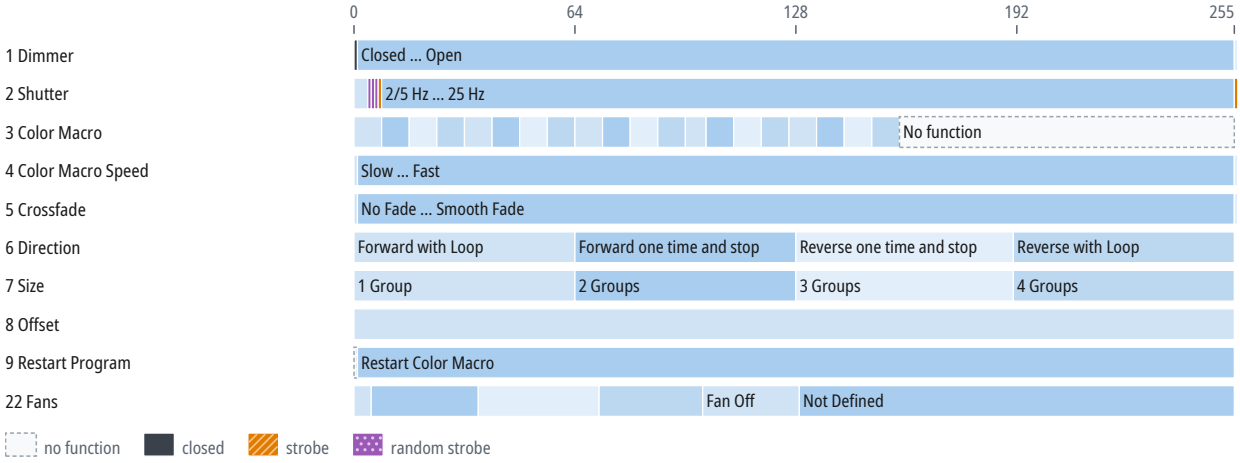
CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
3	Color Macro		Same as CH 3 in the mode “15: Effect Mode Fix” (p. 24)
4	Color Macro Speed		Same as CH 4 in the mode “15: Effect Mode Fix” (p. 25)
5	Crossfade		Same as CH 5 in the mode “15: Effect Mode Fix” (p. 25)
6	Direction		Same as CH 6 in the mode “15: Effect Mode Fix” (p. 25)
7	Size		Same as CH 7 in the mode “15: Effect Mode Fix” (p. 25)
8	Offset	0–255	

9	Restart Program		Same as CH 9 in the mode “15: Effect Mode Fix” (p. 25)
10	Colors		Same as CH 10 in the mode “15: Effect Mode Fix” (p. 25)
11	Colors 2		Same as CH 11 in the mode “15: Effect Mode Fix” (p. 29)
12	Colors 3		Same as CH 12 in the mode “15: Effect Mode Fix” (p. 32)
CH	**Function**	**DMX**	**Description**
13	Colors 4		Same as CH 13 in the mode “15: Effect Mode Fix” (p. 36)
14	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

Mode 177: EFFECT MODE RGB FAN

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0; CH 2 Shutter at 0–3 “Off”. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255, CH 10 Red 1 255, CH 11 Green 1 255, CH 12 Blue 1 255, CH 13 Red 2 255, CH 14 Green 2 255, CH 15 Blue 2 255, CH 16 Red 3 255, CH 17 Green 3 255, CH 18 Blue 3 255, CH 19 Red 4 255, CH 20 Green 4 255, CH 21 Blue 4 255.

Channel functions at a glance



CH	Function	DMX	Description
1	Dimmer		Same as CH 1 in the mode “4: DIM RGB” (p. 14)
2	Shutter		Same as CH 4 in the mode “8: RGBS” (p. 20)
3	Color Macro		Same as CH 3 in the mode “15: Effect Mode Fix” (p. 24)
4	Color Macro Speed		Same as CH 4 in the mode “15: Effect Mode Fix” (p. 25)
5	Crossfade		Same as CH 5 in the mode “15: Effect Mode Fix” (p. 25)
6	Direction		Same as CH 6 in the mode “15: Effect Mode Fix” (p. 25)
7	Size		Same as CH 7 in the mode “15: Effect Mode Fix” (p. 25)
8	Offset	0–255	
9	Restart Program		Same as CH 9 in the mode “15: Effect Mode Fix” (p. 25)
10	Red 1	0–255	
11	Green 1	0–255	
12	Blue 1	0–255	
13	Red 2	0–255	
14	Green 2	0–255	
15	Blue 2	0–255	
16	Red 3	0–255	

17	Green 3	0–255	
18	Blue 3	0–255	
19	Red 4	0–255	
20	Green 4	0–255	
21	Blue 4	0–255	
CH	**Function**	**DMX**	**Description**
22	Fans		Same as CH 4 in the mode “144: RGB FAN” (p. 47)

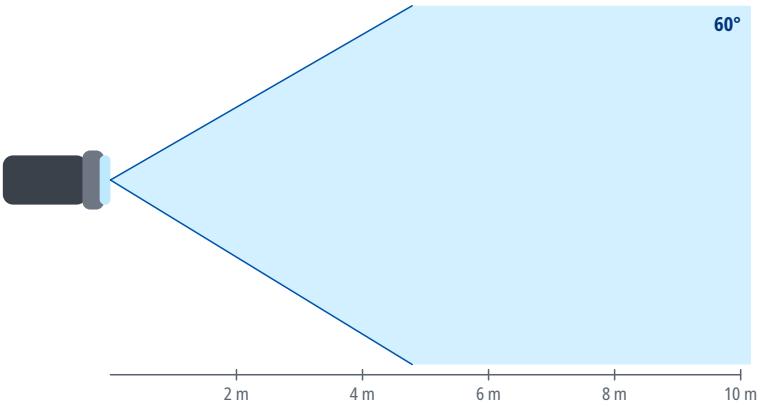
9 Technical specifications

Parameter	Value
Light source	LED
RJ45 connectors	RJ45
RDM	yes (manufacturer ID 0x4173, device model ID 0x5537)
Weight	1.4 kg
Operating temperature	-5 to 40 °C

Speeds and ranges

Parameter	Value
Color temperature range	1750–9910 K
Strobe frequency	0.4–25 Hz

Spot diameter



Distance	Ø 60°
2 m	2.3 m
4 m	4.6 m
6 m	6.9 m
8 m	9.2 m
10 m	11.5 m
15 m	17.3 m

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

10 Maintenance and cleaning

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

11 Troubleshooting

Problem	Remedy
The device does not switch on	Check the supply voltage, the cables and the fuse, if the device has one.
The device does not respond to DMX	Check the start address, the selected DMX mode and whether it matches the profile in the controller, the cable connection to DMX IN, and the controller output (universe).

Problem	Remedy
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.