DMX REFERENCE

Double Rainbow 2ft

Double Rainbow 2'

Quasar Science



Manufacturer	Quasar Science
GDTF file	Quasar_Science_Double_Rainbow_2ft_26225.gdtf
GDTF revision	1.0.2 - Initial Public release, Uploaded to GDTF Share. · 2022-07-02
Generated	2026-11-24

Contents

1 About this manual ... **3**
2 Quick reference ... **4**
3 Safety instructions ... **8**
4 Product description ... **9**
5 Installation ... **9**
6 Connections ... **9**
7 Operation ... **10**
8 Functions at a glance ... **10**
9 DMX channels ... **12**
Mode Profile 1: HSIC 8 Bit - Pixel 20 ... 13
Mode Profile 1: HSIC 8 Bit - Pixel 10 ... 14
Mode Profile 1: HSIC 8 Bit - Pixel 5 ... 14
Mode Profile 1: HSIC 8 Bit - Pixel 2 ... 16
Mode Profile 1: HSIC 8 Bit - Pixel 1 ... 16
Mode Profile 2: HSIC 16 Bit - Pixel 20 ... 17
Mode Profile 2: HSIC 16 Bit - Pixel 10 ... 18
Mode Profile 2: HSIC 16 Bit - Pixel 5 ... 19
Mode Profile 2: HSIC 16 Bit - Pixel 2 ... 20
Mode Profile 2: HSIC 16 Bit - Pixel 1 ... 21
Mode Profile 3: HSI 8 Bit - Pixel 20 ... 21
Mode Profile 3: HSI 8 Bit - Pixel 10 ... 22
Mode Profile 3: HSI 8 Bit - Pixel 5 ... 22
Mode Profile 3: HSI 8 Bit - Pixel 2 ... 23
Mode Profile 3: HSI 8 Bit - Pixel 1 ... 23
Mode Profile 4: Crossfade w/ Green 8 Bit - Pi... ... 23
Mode Profile 4: Crossfade w/ Green 8 Bit - Pi... ... 24
Mode Profile 4: Crossfade w/ Green 8 Bit - Pi... ... 25
Mode Profile 4: Crossfade w/ Green 8 Bit - Pi... ... 26
Mode Profile 4: Crossfade w/ Green 8 Bit - Pi... ... 26
Mode Profile 5: Crossfade 8 Bit - Pixel 20 ... 26
Mode Profile 5: Crossfade 8 Bit - Pixel 10 ... 27
Mode Profile 5: Crossfade 8 Bit - Pixel 5 ... 27
Mode Profile 5: Crossfade 8 Bit - Pixel 2 ... 28
Mode Profile 5: Crossfade 8 Bit - Pixel 1 ... 28
Mode Profile 6: CCT/RGB 8 Bit - Pixel 20 ... 28
Mode Profile 6: CCT/RGB 8 Bit - Pixel 10 ... 29
Mode Profile 6: CCT/RGB 8 Bit - Pixel 5 ... 30
Mode Profile 6: CCT/RGB 8 Bit - Pixel 2 ... 32
Mode Profile 6: CCT/RGB 8 Bit - Pixel 1 ... 32
Mode Profile 7: CCT/RGB 16 Bit - Pixel 20 ... 33
Mode Profile 7: CCT/RGB 16 Bit - Pixel 10 ... 34
Mode Profile 7: CCT/RGB 16 Bit - Pixel 5 ... 35
Mode Profile 7: CCT/RGB 16 Bit - Pixel 2 ... 36
Mode Profile 7: CCT/RGB 16 Bit - Pixel 1 ... 37
Mode Profile 8: RGB 8 Bit - Pixel 20 ... 37
Mode Profile 8: RGB 8 Bit - Pixel 10 ... 38
Mode Profile 8: RGB 8 Bit - Pixel 5 ... 38
Mode Profile 8: RGB 8 Bit - Pixel 2 ... 39
Mode Profile 8: RGB 8 Bit - Pixel 1 ... 39
Mode Profile 9: HSIC + FX 8 Bit - Pixel 20 ... 39
Mode Profile 9: HSIC + FX 8 Bit - Pixel 10 ... 40
Mode Profile 9: HSIC + FX 8 Bit - Pixel 5 ... 41
Mode Profile 9: HSIC + FX 8 Bit - Pixel 2 ... 42
Mode Profile 9: HSIC + FX 8 Bit - Pixel 1 ... 43
Mode Profile 10: HSIC + FX 16 Bit - Pixel 20 ... 43
Mode Profile 10: HSIC + FX 16 Bit - Pixel 10 ... 45
Mode Profile 10: HSIC + FX 16 Bit - Pixel 5 ... 46
Mode Profile 10: HSIC + FX 16 Bit - Pixel 2 ... 47
Mode Profile 20: XY 16 Bit - Pixel 2 ... 71
Mode Profile 20: XY 16 Bit - Pixel 1 ... 71
Mode Profile 21: XY + Spectrum 8 Bit - Pixel 20 ... 72
Mode Profile 21: XY + Spectrum 8 Bit - Pixel 10 ... 72
Mode Profile 21: XY + Spectrum 8 Bit - Pixel 5 ... 72
Mode Profile 21: XY + Spectrum 8 Bit - Pixel 2 ... 73
Mode Profile 21: XY + Spectrum 8 Bit - Pixel 1 ... 73
Mode Profile 22: XY + Spectrum 16 Bit - Pixel... ... 73
Mode Profile 22: XY + Spectrum 16 Bit - Pixel... ... 74
Mode Profile 22: XY + Spectrum 16 Bit - Pixel 5 ... 75
Mode Profile 22: XY + Spectrum 16 Bit - Pixel 2 ... 76
Mode Profile 22: XY + Spectrum 16 Bit - Pixel 1 ... 76
Mode Profile 31: HSIC + Output 8 Bit - Pixel 20 ... 77
Mode Profile 31: HSIC + Output 8 Bit - Pixel 10 ... 77
Mode Profile 31: HSIC + Output 8 Bit - Pixel 5 ... 78
Mode Profile 31: HSIC + Output 8 Bit - Pixel 2 ... 79
Mode Profile 31: HSIC + Output 8 Bit - Pixel 1 ... 79
Mode Profile 32: HSIC + Output16 Bit - Pixel 20 ... 80
Mode Profile 32: HSIC + Output 16 Bit - Pixel... ... 81
Mode Profile 32: HSIC + Output16 Bit - Pixel 5 ... 82
Mode Profile 32: HSIC + Output16 Bit - Pixel 2 ... 83
Mode Profile 32: HSIC + Output16 Bit - Pixel 1 ... 84
Mode Profile 33: HSI + Output 8 Bit - Pixel 20 ... 84
Mode Profile 33: HSI + Output 8 Bit - Pixel 10 ... 85
Mode Profile 33: HSI + Output 8 Bit - Pixel 5 ... 85
Mode Profile 33: HSI + Output 8 Bit - Pixel 2 ... 85
Mode Profile 33: HSI + Output 8 Bit - Pixel 1 ... 86
Mode Profile 34: Crossfade w/ Green + Outp... ... 86
Mode Profile 34: Crossfade w/ Green + Outp... ... 87
Mode Profile 34: Crossfade w/ Green + Outp... ... 88
Mode Profile 34: Crossfade w/ Green + Outp... ... 89
Mode Profile 34: Crossfade w/ Green + Outp... ... 89
Mode Profile 35: Crossfade + Output 8 Bit - P... ... 89
Mode Profile 35: Crossfade + Output 8 Bit - P... ... 90
Mode Profile 35: Crossfade + Output 8 Bit - P... ... 90
Mode Profile 35: Crossfade + Output 8 Bit - P... ... 91
Mode Profile 35: Crossfade + Output 8 Bit - P... ... 91
Mode Profile 36: CCT/RGB + Output 8 Bit - Pi... ... 91
Mode Profile 36: CCT/RGB + Output 8 Bit - Pi... ... 92
Mode Profile 36: CCT/RGB + Output 8 Bit - Pi... ... 93
Mode Profile 36: CCT/RGB + Output 8 Bit - Pi... ... 94
Mode Profile 36: CCT/RGB + Output 8 Bit - Pi... ... 95
Mode Profile 37: CCT/RGB + Output 16 Bit - P... ... 95
Mode Profile 37: CCT/RGB + Output 16 Bit - P... ... 97
Mode Profile 37: CCT/RGB + Output 16 Bit - P... ... 97
Mode Profile 37: CCT/RGB + Output 16 Bit -... ... 100
Mode Profile 37: CCT/RGB + Output 16 Bit -... ... 101
Mode Profile 38: RGB + Output 8 Bit - Pixel 20 ... 101
Mode Profile 38: RGB + Output 8 Bit - Pixel 10 ... 101
Mode Profile 38: RGB + Output 8 Bit - Pixel 5 ... 102
Mode Profile 38: RGB + Output 8 Bit - Pixel 2 ... 102
Mode Profile 38: RGB + Output 8 Bit - Pixel 1 ... 103
Mode Profile 39: HSIC + FX + Output 8 Bit -... ... 103
Mode Profile 39: HSIC + FX + Output 8 Bit -... ... 104
Mode Profile 39: HSIC + FX + Output 8 Bit -... ... 105
Mode Profile 39: HSIC + FX + Output 8 Bit -... ... 106
Mode Profile 39: HSIC + FX + Output 8 Bit -... ... 106
Mode Profile 40: HSIC + FX + Output 16 Bit -... ... 107

1 About this manual

This document describes the Double Rainbow 2' by Quasar Science. It was compiled from the GDTF file Quasar_Science_Double_Rainbow_2ft_26225.gdtf from the GDTF-Share library.

File revision: “1.0.2 - Initial Public release, Uploaded to GDTF Share.”.

The DMX modes, the channel functions and the technical data are given as the GDTF file states them. Installation, operation from the device's control panel, service and safety instructions are described in the manufacturer's original user manual, which takes precedence over this document.

This document was not issued or endorsed by Quasar Science; product names and trademarks belong to their owners.

Safety notices are marked with signal words according to the severity of the hazard: DANGER – an imminent hazard that will result in death or serious injury; WARNING – a potential hazard that could result in death or serious injury; CAUTION – a potential hazard that could result in minor injury or property damage; NOTE – additional information for correct and safe use.

> **NOTE** This product is designed for stage and effect lighting. It is not suitable for household room illumination.

2 Quick reference

DMX modes

Mode	Channels	Units in one universe	First start addresses
Profile 1: HSIC 8 Bit - Pixel 20	100	5	1, 101, 201, 301, ...
Profile 1: HSIC 8 Bit - Pixel 10	50	10	1, 51, 101, 151, ...
Profile 1: HSIC 8 Bit - Pixel 5	25	20	1, 26, 51, 76, ...
Profile 1: HSIC 8 Bit - Pixel 2	10	51	1, 11, 21, 31, ...
Profile 1: HSIC 8 Bit - Pixel 1	5	102	1, 6, 11, 16, ...
Profile 2: HSIC 16 Bit - Pixel 20	160	3	1, 161, 321
Profile 2: HSIC 16 Bit - Pixel 10	80	6	1, 81, 161, 241, ...
Profile 2: HSIC 16 Bit - Pixel 5	40	12	1, 41, 81, 121, ...
Profile 2: HSIC 16 Bit - Pixel 2	16	32	1, 17, 33, 49, ...
Profile 2: HSIC 16 Bit - Pixel 1	8	64	1, 9, 17, 25, ...
Profile 3: HSI 8 Bit - Pixel 20	60	8	1, 61, 121, 181, ...
Profile 3: HSI 8 Bit - Pixel 10	36	14	1, 37, 73, 109, ...
Profile 3: HSI 8 Bit - Pixel 5	15	34	1, 16, 31, 46, ...
Profile 3: HSI 8 Bit - Pixel 2	6	85	1, 7, 13, 19, ...
Profile 3: HSI 8 Bit - Pixel 1	3	170	1, 4, 7, 10, ...
Profile 4: Crossfade w/ Green 8 Bit - Pixel 20	60	8	1, 61, 121, 181, ...
Profile 4: Crossfade w/ Green 8 Bit - Pixel 10	36	14	1, 37, 73, 109, ...
Profile 4: Crossfade w/ Green 8 Bit - Pixel 5	15	34	1, 16, 31, 46, ...
Profile 4: Crossfade w/ Green 8 Bit - Pixel 2	6	85	1, 7, 13, 19, ...
Profile 4: Crossfade w/ Green 8 Bit - Pixel 1	3	170	1, 4, 7, 10, ...
Profile 5: Crossfade 8 Bit - Pixel 20	40	12	1, 41, 81, 121, ...
Profile 5: Crossfade 8 Bit - Pixel 10	20	25	1, 21, 41, 61, ...
Profile 5: Crossfade 8 Bit - Pixel 5	10	51	1, 11, 21, 31, ...
Profile 5: Crossfade 8 Bit - Pixel 2	4	128	1, 5, 9, 13, ...
Profile 5: Crossfade 8 Bit - Pixel 1	2	256	1, 3, 5, 7, ...
Profile 6: CCT/RGB 8 Bit - Pixel 20	140	3	1, 141, 281
Profile 6: CCT/RGB 8 Bit - Pixel 10	70	7	1, 71, 141, 211, ...
Profile 6: CCT/RGB 8 Bit - Pixel 5	35	14	1, 36, 71, 106, ...
Profile 6: CCT/RGB 8 Bit - Pixel 2	14	36	1, 15, 29, 43, ...
Profile 6: CCT/RGB 8 Bit - Pixel 1	7	73	1, 8, 15, 22, ...
Profile 7: CCT/RGB 16 Bit - Pixel 20	180	2	1, 181
Profile 7: CCT/RGB 16 Bit - Pixel 10	90	5	1, 91, 181, 271, ...
Profile 7: CCT/RGB 16 Bit - Pixel 5	45	11	1, 46, 91, 136, ...
Profile 7: CCT/RGB 16 Bit - Pixel 2	18	28	1, 19, 37, 55, ...
Profile 7: CCT/RGB 16 Bit - Pixel 1	9	56	1, 10, 19, 28, ...
Profile 8: RGB 8 Bit - Pixel 20	60	8	1, 61, 121, 181, ...
Profile 8: RGB 8 Bit - Pixel 10	36	14	1, 37, 73, 109, ...
Profile 8: RGB 8 Bit - Pixel 5	15	34	1, 16, 31, 46, ...

Mode	Channels	Units in one universe	First start addresses
Profile 8: RGB 8 Bit - Pixel 2	6	85	1, 7, 13, 19, ...
Profile 8: RGB 8 Bit - Pixel 1	3	170	1, 4, 7, 10, ...
Profile 9: HSIC + FX 8 Bit - Pixel 20	123	4	1, 124, 247, 370
Profile 9: HSIC + FX 8 Bit - Pixel 10	63	8	1, 64, 127, 190, ...
Profile 9: HSIC + FX 8 Bit - Pixel 5	33	15	1, 34, 67, 100, ...
Profile 9: HSIC + FX 8 Bit - Pixel 2	13	39	1, 14, 27, 40, ...
Profile 9: HSIC + FX 8 Bit - Pixel 1	8	64	1, 9, 17, 25, ...
Profile 10: HSIC + FX 16 Bit - Pixel 20	195	2	1, 196
Profile 10: HSIC + FX 16 Bit - Pixel 10	99	5	1, 100, 199, 298, ...
Profile 10: HSIC + FX 16 Bit - Pixel 5	51	10	1, 52, 103, 154, ...
Profile 10: HSIC + FX 16 Bit - Pixel 2	19	26	1, 20, 39, 58, ...
Profile 10: HSIC + FX 16 Bit - Pixel 1	11	46	1, 12, 23, 34, ...
Profile 11: CCT/RGB + FX 8 Bit - Pixel 20	171	2	1, 172
Profile 11: CCT/RGB + FX 8 Bit - Pixel 10	87	5	1, 88, 175, 262, ...
Profile 11: CCT/RGB + FX 8 Bit - Pixel 5	45	11	1, 46, 91, 136, ...
Profile 11: CCT/RGB + FX 8 Bit - Pixel 2	17	30	1, 18, 35, 52, ...
Profile 11: CCT/RGB + FX 8 Bit - Pixel 1	10	51	1, 11, 21, 31, ...
Profile 12: CCT/RGB + FX 16 Bit - Pixel 20	219	2	1, 220
Profile 12: CCT/RGB + FX 16 Bit - Pixel 10	111	4	1, 112, 223, 334
Profile 12: CCT/RGB + FX 16 Bit - Pixel 5	57	8	1, 58, 115, 172, ...
Profile 12: CCT/RGB + FX 16 Bit - Pixel 2	21	24	1, 22, 43, 64, ...
Profile 12: CCT/RGB + FX 16 Bit - Pixel 1	12	42	1, 13, 25, 37, ...
Profile 13: RGBTD 8 Bit - Pixel 20	100	5	1, 101, 201, 301, ...
Profile 13: RGBTD 8 Bit - Pixel 10	50	10	1, 51, 101, 151, ...
Profile 13: RGBTD 8 Bit - Pixel 5	25	20	1, 26, 51, 76, ...
Profile 13: RGBTD 8 Bit - Pixel 2	10	51	1, 11, 21, 31, ...
Profile 13: RGBTD 8 Bit - Pixel 1	5	102	1, 6, 11, 16, ...
Profile 14: RGBTD 16 Bit - Pixel 20	200	2	1, 201
Profile 14: RGBTD 16 Bit - Pixel 10	100	5	1, 101, 201, 301, ...
Profile 14: RGBTD 16 Bit - Pixel 5	50	10	1, 51, 101, 151, ...
Profile 14: RGBTD 16 Bit - Pixel 2	20	25	1, 21, 41, 61, ...
Profile 14: RGBTD 16 Bit - Pixel 1	10	51	1, 11, 21, 31, ...
Profile 15: RGB 16 Bit - Pixel 20	120	4	1, 121, 241, 361
Profile 15: RGB 16 Bit - Pixel 10	60	8	1, 61, 121, 181, ...
Profile 15: RGB 16 Bit - Pixel 5	30	17	1, 31, 61, 91, ...
Profile 15: RGB 16 Bit - Pixel 2	12	42	1, 13, 25, 37, ...
Profile 15: RGB 16 Bit - Pixel 1	6	85	1, 7, 13, 19, ...
Profile 19: XY 8 Bit - Pixel 20	60	8	1, 61, 121, 181, ...
Profile 19: XY 8 Bit - Pixel 10	36	14	1, 37, 73, 109, ...
Profile 19: XY 8 Bit - Pixel 5	15	34	1, 16, 31, 46, ...
Profile 19: XY 8 Bit - Pixel 2	6	85	1, 7, 13, 19, ...
Profile 19: XY 8 Bit - Pixel 1	3	170	1, 4, 7, 10, ...

Mode	Channels	Units in one universe	First start addresses
Profile 20: XY 16 Bit - Pixel 20	120	4	1, 121, 241, 361
Profile 20: XY 16 Bit - Pixel 10	60	8	1, 61, 121, 181, ...
Profile 20: XY 16 Bit - Pixel 5	30	17	1, 31, 61, 91, ...
Profile 20: XY 16 Bit - Pixel 2	12	42	1, 13, 25, 37, ...
Profile 20: XY 16 Bit - Pixel 1	6	85	1, 7, 13, 19, ...
Profile 21: XY + Spectrum 8 Bit - Pixel 20	73	7	1, 74, 147, 220, ...
Profile 21: XY + Spectrum 8 Bit - Pixel 10	37	13	1, 38, 75, 112, ...
Profile 21: XY + Spectrum 8 Bit - Pixel 5	19	26	1, 20, 39, 58, ...
Profile 21: XY + Spectrum 8 Bit - Pixel 2	7	73	1, 8, 15, 22, ...
Profile 21: XY + Spectrum 8 Bit - Pixel 1	4	128	1, 5, 9, 13, ...
Profile 22: XY + Spectrum 16 Bit - Pixel 20	145	3	1, 146, 291
Profile 22: XY + Spectrum 16 Bit - Pixel 10	73	7	1, 74, 147, 220, ...
Profile 22: XY + Spectrum 16 Bit - Pixel 5	37	13	1, 38, 75, 112, ...
Profile 22: XY + Spectrum 16 Bit - Pixel 2	13	39	1, 14, 27, 40, ...
Profile 22: XY + Spectrum 16 Bit - Pixel 1	7	73	1, 8, 15, 22, ...
Profile 31: HSIC + Output 8 Bit - Pixel 20	121	4	1, 122, 243, 364
Profile 31: HSIC + Output 8 Bit - Pixel 10	61	8	1, 62, 123, 184, ...
Profile 31: HSIC + Output 8 Bit - Pixel 5	31	16	1, 32, 63, 94, ...
Profile 31: HSIC + Output 8 Bit - Pixel 2	11	46	1, 12, 23, 34, ...
Profile 31: HSIC + Output 8 Bit - Pixel 1	6	85	1, 7, 13, 19, ...
Profile 32: HSIC + Output16 Bit - Pixel 20	193	2	1, 194
Profile 32: HSIC + Output 16 Bit - Pixel 10	97	5	1, 98, 195, 292, ...
Profile 32: HSIC + Output16 Bit - Pixel 5	49	10	1, 50, 99, 148, ...
Profile 32: HSIC + Output16 Bit - Pixel 2	17	30	1, 18, 35, 52, ...
Profile 32: HSIC + Output16 Bit - Pixel 1	9	56	1, 10, 19, 28, ...
Profile 33: HSI + Output 8 Bit - Pixel 20	73	7	1, 74, 147, 220, ...
Profile 33: HSI + Output 8 Bit - Pixel 10	37	13	1, 38, 75, 112, ...
Profile 33: HSI + Output 8 Bit - Pixel 5	19	26	1, 20, 39, 58, ...
Profile 33: HSI + Output 8 Bit - Pixel 2	7	73	1, 8, 15, 22, ...
Profile 33: HSI + Output 8 Bit - Pixel 1	4	128	1, 5, 9, 13, ...
Profile 34: Crossfade w/ Green + Output 8 Bit - Pixel 20	73	7	1, 74, 147, 220, ...
Profile 34: Crossfade w/ Green + Output 8 Bit - Pixel 10	37	13	1, 38, 75, 112, ...
Profile 34: Crossfade w/ Green + Output 8 Bit - Pixel 5	19	26	1, 20, 39, 58, ...
Profile 34: Crossfade w/ Green + Output 8 Bit - Pixel 2	7	73	1, 8, 15, 22, ...
Profile 34: Crossfade w/ Green + Output 8 Bit - Pixel 1	4	128	1, 5, 9, 13, ...
Profile 35: Crossfade + Output 8 Bit - Pixel 20	49	10	1, 50, 99, 148, ...
Profile 35: Crossfade + Output 8 Bit - Pixel 10	25	20	1, 26, 51, 76, ...
Profile 35: Crossfade + Output 8 Bit - Pixel 5	13	39	1, 14, 27, 40, ...
Profile 35: Crossfade + Output 8 Bit - Pixel 2	5	102	1, 6, 11, 16, ...
Profile 35: Crossfade + Output 8 Bit - Pixel 1	3	170	1, 4, 7, 10, ...
Profile 36: CCT/RGB + Output 8 Bit - Pixel 20	169	3	1, 170, 339
Profile 36: CCT/RGB + Output 8 Bit - Pixel 10	85	6	1, 86, 171, 256, ...

Mode	Channels	Units in one universe	First start addresses
Profile 36: CCT/RGB + Output 8 Bit - Pixel 5	43	11	1, 44, 87, 130, ...
Profile 36: CCT/RGB + Output 8 Bit - Pixel 2	15	34	1, 16, 31, 46, ...
Profile 36: CCT/RGB + Output 8 Bit - Pixel 1	8	64	1, 9, 17, 25, ...
Profile 37: CCT/RGB + Output 16 Bit - Pixel 20	217	2	1, 218
Profile 37: CCT/RGB + Output 16 Bit - Pixel 10	109	4	1, 110, 219, 328
Profile 37: CCT/RGB + Output 16 Bit - Pixel 5	55	9	1, 56, 111, 166, ...
Profile 37: CCT/RGB + Output 16 Bit - Pixel 2	19	26	1, 20, 39, 58, ...
Profile 37: CCT/RGB + Output 16 Bit - Pixel 1	10	51	1, 11, 21, 31, ...
Profile 38: RGB + Output 8 Bit - Pixel 20	73	7	1, 74, 147, 220, ...
Profile 38: RGB + Output 8 Bit - Pixel 10	37	13	1, 38, 75, 112, ...
Profile 38: RGB + Output 8 Bit - Pixel 5	19	26	1, 20, 39, 58, ...
Profile 38: RGB + Output 8 Bit - Pixel 2	7	73	1, 8, 15, 22, ...
Profile 38: RGB + Output 8 Bit - Pixel 1	4	128	1, 5, 9, 13, ...
Profile 39: HSIC + FX + Output 8 Bit - Pixel 20	124	4	1, 125, 249, 373
Profile 39: HSIC + FX + Output 8 Bit - Pixel 10	64	8	1, 65, 129, 193, ...
Profile 39: HSIC + FX + Output 8 Bit - Pixel 5	34	15	1, 35, 69, 103, ...
Profile 39: HSIC + FX + Output 8 Bit - Pixel 2	14	36	1, 15, 29, 43, ...
Profile 39: HSIC + FX + Output 8 Bit - Pixel 1	9	56	1, 10, 19, 28, ...
Profile 40: HSIC + FX + Output 16 Bit - Pixel 20	196	2	1, 197
Profile 40: HSIC + FX + Output 16 Bit - Pixel 10	100	5	1, 101, 201, 301, ...
Profile 40: HSIC + FX + Output 16 Bit - Pixel 5	52	9	1, 53, 105, 157, ...
Profile 40: HSIC + FX + Output 16 Bit - Pixel 2	20	25	1, 21, 41, 61, ...
Profile 40: HSIC + FX + Output 16 Bit - Pixel 1	12	42	1, 13, 25, 37, ...
Profile 41: CCT/RGB + FX + Output 8 Bit - Pixel 20	172	2	1, 173
Profile 41: CCT/RGB + FX + Output 8 Bit - Pixel 10	88	5	1, 89, 177, 265, ...
Profile 41: CCT/RGB + FX + Output 8 Bit - Pixel 5	46	11	1, 47, 93, 139, ...
Profile 41: CCT/RGB + FX + Output 8 Bit - Pixel 2	18	28	1, 19, 37, 55, ...
Profile 41: CCT/RGB + FX + Output 8 Bit - Pixel 1	11	46	1, 12, 23, 34, ...
Profile 42: CCT/RGB + FX + Output 16 Bit - Pixel 20	220	2	1, 221
Profile 42: CCT/RGB + FX + Output 16 Bit - Pixel 10	112	4	1, 113, 225, 337
Profile 42: CCT/RGB + FX + Output 16 Bit - Pixel 5	58	8	1, 59, 117, 175, ...
Profile 42: CCT/RGB + FX + Output 16 Bit - Pixel 2	22	23	1, 23, 45, 67, ...
Profile 42: CCT/RGB + FX + Output 16 Bit - Pixel 1	13	39	1, 14, 27, 40, ...
Profile 43: RGBTD + Output 8 Bit - Pixel 20	121	4	1, 122, 243, 364
Profile 43: RGBTD + Output 8 Bit - Pixel 10	61	8	1, 62, 123, 184, ...
Profile 43: RGBTD + Output 8 Bit - Pixel 5	31	16	1, 32, 63, 94, ...
Profile 43: RGBTD + Output 8 Bit - Pixel 2	11	46	1, 12, 23, 34, ...
Profile 43: RGBTD + Output 8 Bit - Pixel 1	6	85	1, 7, 13, 19, ...
Profile 44: RGBTD + Output 16 Bit - Pixel 20	241	2	1, 242
Profile 44: RGBTD + Output 16 Bit - Pixel 10	121	4	1, 122, 243, 364
Profile 44: RGBTD + Output 16 Bit - Pixel 5	61	8	1, 62, 123, 184, ...
Profile 44: RGBTD + Output 16 Bit - Pixel 2	21	24	1, 22, 43, 64, ...

Mode	Channels	Units in one universe	First start addresses
Profile 44: RGBTD + Output 16 Bit - Pixel 1	11	46	1, 12, 23, 34, ...
Profile 45: RGB + Output 16 Bit - Pixel 20	145	3	1, 146, 291
Profile 45: RGB + Output 16 Bit - Pixel 10	73	7	1, 74, 147, 220, ...
Profile 45: RGB + Output 16 Bit - Pixel 5	37	13	1, 38, 75, 112, ...
Profile 45: RGB + Output 16 Bit - Pixel 2	13	39	1, 14, 27, 40, ...
Profile 45: RGB + Output 16 Bit - Pixel 1	7	73	1, 8, 15, 22, ...


Read the manual before use


Do not stare into the light


Indoor use only

3 Safety instructions


Read the manual before use


Do not stare into the light


Indoor use only

⚠ WARNING

- This device is intended for professional use. Installation, connection, setup and maintenance must be carried out only by suitably qualified persons who have read this manual.
- Use the device only for its intended purpose and as described in this manual.
- Do not open the housing and do not modify or tamper with the device. Refer all repairs to an authorized service center.
- Do not use the device if its housing, power or data cable, or a connector is damaged, if the device has been dropped, or if liquid or a foreign object has entered it. In such a case, have it checked by a service center.
- Disconnect the device from the power supply before cleaning, maintenance or any work on the connections.
- After moving the device from a cold to a warm environment, let it reach room temperature before switching it on to prevent condensation inside.
- The device is not a toy; keep it out of the reach of children.

⚠ WARNING

- This device is designed for indoor use only. Protect it from rain, splashing water, moisture and dust, and do not place containers with liquids on it.
- Do not operate the device in high humidity, near water, or where condensation can form on it.

⚠ CAUTION

- This device emits intense light. Do not look directly into the light source or the beam at close range; doing so may damage your eyes.
- Do not aim the beam at the eyes of people or animals at close range, and do not view the light source through optical instruments (binoculars, camera lenses).
- Do not aim the beam at flammable or heat-sensitive materials at close range.

4 Product description

Description in the GDTF file

“From lighting actors to environments, high quality tunable white light and the highest RGB color saturation with multiple pixels maintaining super smooth, flicker free dimming, the R2 will be your workhorse. This linear LED light offers incredible data connectivity whether wired or wireless and can be powered anywhere via AC and DC power inputs. Integrated Ossium Mounting System (OMS) allows for rigging in ways previously unobtainable. The unique RGBX Spectral Science Color Engine (RGBX SSCE) in the R2 delivers a choice of more than one billion colors. RGBX SSCE provides the complete range of potential spectral fingerprints available for each color within its entire gamut of color possibilities. To create the lighting industry’s most intuitive and natural color control experience, the RGBX SSCE maps its color calculations in the perceptually uniform CIE 1976 chromaticity space.”

5 Installation

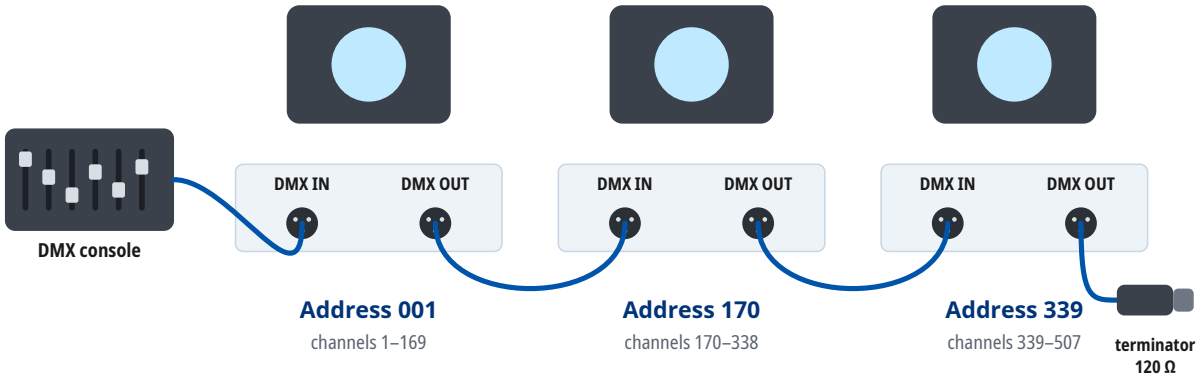
⚠ **WARNING**

- Rigging must be carried out only by qualified persons in accordance with applicable regulations, in particular those for work at height.
- The supporting structure and fixings must safely carry the weight of all suspended devices; verify their load capacity in advance.
- Use suitable mounting hardware (for example truss clamps) and tighten all screw connections properly.
- Always secure the suspended device against falling with a safety cable of adequate load capacity, routed through a fixed point of the device and around the supporting structure.
- During installation and removal, keep people out of the area below the work position.
- Regularly inspect the fixings and the safety cable for damage, corrosion and loosening.

6 Connections

- Use shielded cable designed for DMX512 with an impedance of 110 Ω. Ordinary microphone cable is not suitable for DMX, especially over longer distances.
- Connect the devices in a daisy chain: connect the DMX OUT of one device to the DMX IN of the next. Do not split the line with Y-cables or wire it in a star; the line may be split only with a DMX splitter.
- Connect the shield to pin 1 only. Do not connect the shield (ground) to the metal shell of the connector; this can cause short circuits or erratic behavior.
- XLR pin assignment: pin 1 – shield (ground), pin 2 – Data- (Data Complement), pin 3 – Data+ (Data True). On 5-pin connectors, pins 4 and 5 are not connected; a 5-pin connector can be connected to a 3-pin one with a cable adapter.
- Terminate the end of the line (for impedance matching): plug an XLR connector with a 120 Ω, ¼ W resistor between pins 2 and 3 into the DMX OUT of the last device. This reduces the risk of erratic behavior.
- Connect no more than 32 devices to one DMX line. For more devices or longer runs, use a DMX splitter or booster.

DMX line



Mode Profile 36: CCT/RGB + Output 8 Bit - Pixel 20: every unit occupies 169 channels from its address. At most 32 units on one line; for more units or longer runs use a DMX splitter. A 120 Ω terminator closes the last DMX OUT.

7 Operation

Setting the DMX address

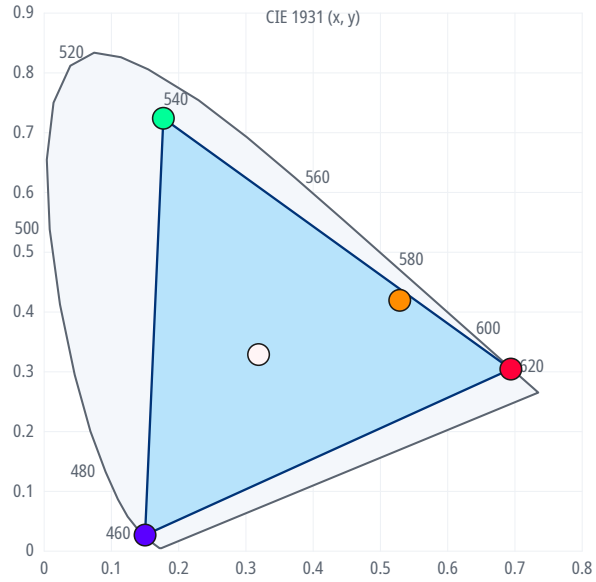
- The device occupies as many consecutive channels in the DMX universe as the selected DMX mode uses, starting at the set start address.
- Number of channels occupied in the DMX mode “Profile 44: RGBTD + Output 16 Bit - Pixel 20”: 241.
- Choose start addresses so that the channels of individual devices 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 “Profile 44: RGBTD + Output 16 Bit - Pixel 20”, you can use, for example, the start addresses 1, 242.
- The DMX mode set on the device must match the fixture profile (personality) used in the controller.

8 Functions at a glance

Functions in each DMX mode

	Profile 1: HSIC 8 Bit - Pixel 20 100 channels	Profile 1: HSIC 8 Bit - Pixel 10 50 channels	Profile 1: HSIC 8 Bit - Pixel 5 25 channels	Profile 1: HSIC 8 Bit - Pixel 2 10 channels	Profile 1: HSIC 8 Bit - Pixel 1 5 channels	Profile 2: HSIC 16 Bit - Pixel 20 160 channels	Profile 2: HSIC 16 Bit - Pixel 10 80 channels	Profile 2: HSIC 16 Bit - Pixel 5 40 channels
Dimmer	91 channels (1–191)	42 channels (1–91)	24 channels (1–41)	**1, 3, 4, 6–11**	**1**	91 channels (1–191)	42 channels (1–91)	24 channels (1–41)
Dimmer resolution	8 bit	8 bit	8 bit	8 bit	8 bit	16 bit	16 bit	16 bit
Color temperature	91 channels (2–192)	42 channels (2–92)	24 channels (2–42)	**2, 4, 5, 7–12**	**2**	91 channels (3–193)	42 channels (3–93)	24 channels (3–43)

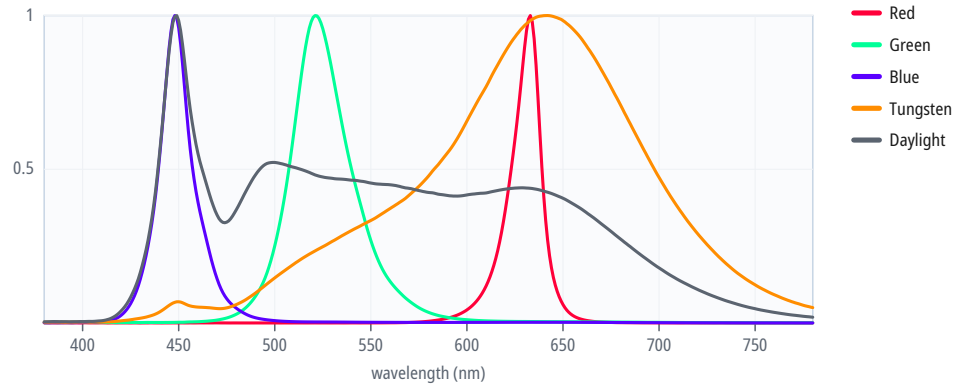
LED colors and the colors they mix



LED	x	y
Red	0.694	0.305
Green	0.177	0.724
Blue	0.150	0.027
Tungsten	0.529	0.420
Daylight	0.319	0.329

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

Spectra of the light sources



Relative spectrum of each light source as the GDTF file states it; each curve is scaled to its own maximum.

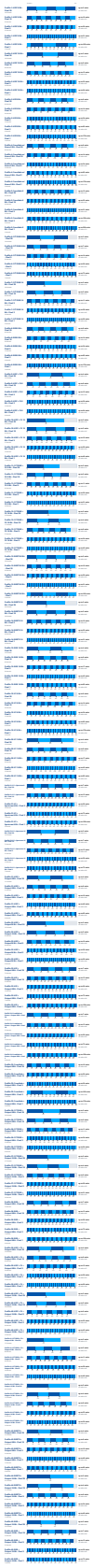
Cells (pixels)



20 cells where the GDTF file places them (seen from above), numbered by their first DMX channel (CH) in the mode “Profile 41: CCT/RGB + FX + Output 8 Bit - Pixel 20”.

9 DMX channels

Units in one DMX universe



Start addresses of 20 units in the mode “Profile 44: RGBTD + Output 16 Bit - Pixel 20”

Unit	Start address	Unit	Start address	Unit	Start address	Unit	Start address
1	1	6	U3 · 242	11	U6 · 1	16	U8 · 242
2	242	7	U4 · 1	12	U6 · 242	17	U9 · 1
3	U2 · 1	8	U4 · 242	13	U7 · 1	18	U9 · 242
4	U2 · 242	9	U5 · 1	14	U7 · 242	19	U10 · 1
5	U3 · 1	10	U5 · 242	15	U8 · 1	20	U10 · 242

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

Mode Profile 1: HSIC 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Hue 1	0–255	
5	Saturation 1	0–255	

CH 1–100: 20 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Hue	Saturation	Cell	Dimmer	Color Temperature	Tint	Hue	Saturation
1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40
9	41	42	43	44	45	10	46	47	48	49	50
11	51	52	53	54	55	12	56	57	58	59	60
13	61	62	63	64	65	14	66	67	68	69	70
15	71	72	73	74	75	16	76	77	78	79	80
17	81	82	83	84	85	18	86	87	88	89	90
19	91	92	93	94	95	20	96	97	98	99	100

Mode Profile 1: HSIC 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Hue 1	0–255	
5	Saturation 1	0–255	

CH 1–50: 10 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Hue	Saturation	Cell	Dimmer	Color Temperature	Tint	Hue	Saturation
1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40
9	41	42	43	44	45	10	46	47	48	49	50

Mode Profile 1: HSIC 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 6 Dimmer 2 above 0; CH 11 Dimmer 3 above 0; CH 16 Dimmer 4 above 0; CH 21 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 6 Dimmer 2 255, CH 11 Dimmer 3 255, CH 16 Dimmer 4 255, CH 21 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Hue 1	0–255	

CH	Function	DMX	Description
5	Saturation 1	0–255	
6	Dimmer 2	0–255	
7	Color Temperature 2	0	1570K
		1–254	1570K … 10000K
		255	10000K
8	Tint 2	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
9	Hue 2	0–255	
10	Saturation 2	0–255	
11	Dimmer 3	0–255	
12	Color Temperature 3	0	1570K
		1–254	1570K … 10000K
		255	10000K
13	Tint 3	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
14	Hue 3	0–255	
15	Saturation 3	0–255	
16	Dimmer 4	0–255	
17	Color Temperature 4	0	1570K
		1–254	1570K … 10000K
		255	10000K
18	Tint 4	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
19	Hue 4	0–255	
20	Saturation 4	0–255	
21	Dimmer 5	0–255	
22	Color Temperature 5	0	1570K
		1–254	1570K … 10000K
		255	10000K

CH	Function	DMX	Description
23	Tint 5	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
24	Hue 5	0–255	
25	Saturation 5	0–255	

Mode Profile 1: HSIC 8 Bit - Pixel 2

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

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Hue 1	0–255	
5	Saturation 1	0–255	
6	Dimmer 2	0–255	
7	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
8	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
9	Hue 2	0–255	
10	Saturation 2	0–255	

Mode Profile 1: HSIC 8 Bit - Pixel 1

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	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature	0	1570K
		1–254	1570K ... 10000K
		255	10000K

CH	Function	DMX	Description
3	Tint	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Hue	0–255	
5	Saturation	0–255	

Mode Profile 2: HSIC 16 Bit - Pixel 20

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 same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7

CH 1–160: 20 cells of 8 channels each. Every cell works as cell 1 in the table above (CH 1–8); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Hue	Hue Fine	Saturation	Saturation Fine
1	1	2	3	4	5	6	7	8
2	9	10	11	12	13	14	15	16
3	17	18	19	20	21	22	23	24
4	25	26	27	28	29	30	31	32
5	33	34	35	36	37	38	39	40
6	41	42	43	44	45	46	47	48
7	49	50	51	52	53	54	55	56

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Hue	Hue Fine	Saturation	Saturation Fine
8	57	58	59	60	61	62	63	64
9	65	66	67	68	69	70	71	72
10	73	74	75	76	77	78	79	80
11	81	82	83	84	85	86	87	88
12	89	90	91	92	93	94	95	96
13	97	98	99	100	101	102	103	104
14	105	106	107	108	109	110	111	112
15	113	114	115	116	117	118	119	120
16	121	122	123	124	125	126	127	128
17	129	130	131	132	133	134	135	136
18	137	138	139	140	141	142	143	144
19	145	146	147	148	149	150	151	152
20	153	154	155	156	157	158	159	160

Mode Profile 2: HSIC 16 Bit - Pixel 10

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 same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7

CH 1–80: 10 cells of 8 channels each. Every cell works as cell 1 in the table above (CH 1–8); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Hue	Hue Fine	Saturation	Saturation Fine
1	1	2	3	4	5	6	7	8
2	9	10	11	12	13	14	15	16
3	17	18	19	20	21	22	23	24

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Hue	Hue Fine	Saturation	Saturation Fine
4	25	26	27	28	29	30	31	32
5	33	34	35	36	37	38	39	40
6	41	42	43	44	45	46	47	48
7	49	50	51	52	53	54	55	56
8	57	58	59	60	61	62	63	64
9	65	66	67	68	69	70	71	72
10	73	74	75	76	77	78	79	80

Mode Profile 2: HSIC 16 Bit - Pixel 5

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 1 above 0; CH 9 Dimmer 2 above 0; CH 17 Dimmer 3 above 0; CH 25 Dimmer 4 above 0; CH 33 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 9 Dimmer 2 255, CH 17 Dimmer 3 255, CH 25 Dimmer 4 255, CH 33 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
9	Dimmer 2	0–255	
10	Dimmer 2 Fine	0–255	Fine adjustment of CH 9
11	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
12	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Hue 2	0–255	
14	Hue 2 Fine	0–255	Fine adjustment of CH 13
15	Saturation 2	0–255	
16	Saturation 2 Fine	0–255	Fine adjustment of CH 15
17	Dimmer 3	0–255	
18	Dimmer 3 Fine	0–255	Fine adjustment of CH 17
19	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
20	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
21	Hue 3	0–255	
22	Hue 3 Fine	0–255	Fine adjustment of CH 21

CH	Function	DMX	Description
23	Saturation 3	0–255	
24	Saturation 3 Fine	0–255	Fine adjustment of CH 23
25	Dimmer 4	0–255	
26	Dimmer 4 Fine	0–255	Fine adjustment of CH 25
27	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
28	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
29	Hue 4	0–255	
30	Hue 4 Fine	0–255	Fine adjustment of CH 29
31	Saturation 4	0–255	
32	Saturation 4 Fine	0–255	Fine adjustment of CH 31
33	Dimmer 5	0–255	
34	Dimmer 5 Fine	0–255	Fine adjustment of CH 33
35	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
36	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
37	Hue 5	0–255	
38	Hue 5 Fine	0–255	Fine adjustment of CH 37
39	Saturation 5	0–255	
40	Saturation 5 Fine	0–255	Fine adjustment of CH 39

Mode Profile 2: HSIC 16 Bit - Pixel 2

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 1 above 0; CH 9 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 9 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
9	Dimmer 2	0–255	
10	Dimmer 2 Fine	0–255	Fine adjustment of CH 9
11	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)

CH	Function	DMX	Description
12	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Hue 2	0–255	
14	Hue 2 Fine	0–255	Fine adjustment of CH 13
15	Saturation 2	0–255	
16	Saturation 2 Fine	0–255	Fine adjustment of CH 15

Mode Profile 2: HSIC 16 Bit - Pixel 1

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

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

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
4	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
5	Hue	0–255	
6	Hue Fine	0–255	Fine adjustment of CH 5
7	Saturation	0–255	
8	Saturation Fine	0–255	Fine adjustment of CH 7

Mode Profile 3: HSI 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Hue 1	0–255	
3	Saturation 1	0–255	

CH 1–60: 20 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	Hue	Saturation	Cell	Dimmer	Hue	Saturation	Cell	Dimmer	Hue	Saturation
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36
13	37	38	39	14	40	41	42	15	43	44	45
16	46	47	48	17	49	50	51	18	52	53	54
19	55	56	57	20	58	59	60				

Mode Profile 3: HSI 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 12 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Hue 1	0–255	
3	Saturation 1	0–255	

CH 1–36: 12 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	Hue	Saturation	Cell	Dimmer	Hue	Saturation	Cell	Dimmer	Hue	Saturation
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36

Mode Profile 3: HSI 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0; CH 7 Dimmer 3 above 0; CH 10 Dimmer 4 above 0; CH 13 Dimmer 5 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Hue 1	0–255	
3	Saturation 1	0–255	
4	Dimmer 2	0–255	
5	Hue 2	0–255	
6	Saturation 2	0–255	
7	Dimmer 3	0–255	
8	Hue 3	0–255	
9	Saturation 3	0–255	
10	Dimmer 4	0–255	
11	Hue 4	0–255	
12	Saturation 4	0–255	
13	Dimmer 5	0–255	
14	Hue 5	0–255	
15	Saturation 5	0–255	

Mode Profile 3: HSI 8 Bit - Pixel 2

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Hue 1	0–255	
3	Saturation 1	0–255	
4	Dimmer 2	0–255	
5	Hue 2	0–255	
6	Saturation 2	0–255	

Mode Profile 3: HSI 8 Bit - Pixel 1

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0.

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Hue	0–255	
3	Saturation	0–255	

Mode Profile 4: Crossfade w/ Green 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1750K
		1–254	1750K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green

CH 1–60: 20 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Cell	Dimmer	Color Temperature	Tint	Cell	Dimmer	Color Temperature	Tint
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36
13	37	38	39	14	40	41	42	15	43	44	45
16	46	47	48	17	49	50	51	18	52	53	54
19	55	56	57	20	58	59	60				

Mode Profile 4: Crossfade w/ Green 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 12 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1750K
		1–254	1750K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green

CH 1–36: 12 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Cell	Dimmer	Color Temperature	Tint	Cell	Dimmer	Color Temperature	Tint
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36

Mode Profile 4: Crossfade w/ Green 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0; CH 7 Dimmer 3 above 0; CH 10 Dimmer 4 above 0; CH 13 Dimmer 5 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1750K
		1–254	1750K ... 10000K
		255	10000K
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Dimmer 2	0–255	
5	Color Temperature 2	0	1750K
		1–254	1750K ... 10000K
		255	10000K
6	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
7	Dimmer 3	0–255	
8	Color Temperature 3	0	1750K
		1–254	1750K ... 10000K
		255	10000K
9	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
10	Dimmer 4	0–255	
11	Color Temperature 4	0	1750K
		1–254	1750K ... 10000K
		255	10000K
12	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Dimmer 5	0–255	
14	Color Temperature 5	0	1750K
		1–254	1750K ... 10000K
		255	10000K
15	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)

Mode Profile 4: Crossfade w/ Green 8 Bit - Pixel 2

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 4: Crossfade w/ Green 8 Bit - Pixel 5” (p. 25)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Dimmer 2	0–255	
5	Color Temperature 2		Same as CH 5 in the mode “Profile 4: Crossfade w/ Green 8 Bit - Pixel 5” (p. 25)
6	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)

Mode Profile 4: Crossfade w/ Green 8 Bit - Pixel 1

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0.

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature	0	1750K
		1–254	1750K ... 10000K
		255	10000K
3	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)

Mode Profile 5: Crossfade 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K

CH 1–40: 20 cells of 2 channels each. Every cell works as cell 1 in the table above (CH 1–2); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature
1	1	2	2	3	4	3	5	6	4	7	8
5	9	10	6	11	12	7	13	14	8	15	16
9	17	18	10	19	20	11	21	22	12	23	24
13	25	26	14	27	28	15	29	30	16	31	32
17	33	34	18	35	36	19	37	38	20	39	40

Mode Profile 5: Crossfade 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K

CH 1–20: 10 cells of 2 channels each. Every cell works as cell 1 in the table above (CH 1–2); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature
1	1	2	2	3	4	3	5	6	4	7	8
5	9	10	6	11	12	7	13	14	8	15	16
9	17	18	10	19	20						

Mode Profile 5: Crossfade 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 3 Dimmer 2 above 0; CH 5 Dimmer 3 above 0; CH 7 Dimmer 4 above 0; CH 9 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 3 Dimmer 2 255, CH 5 Dimmer 3 255, CH 7 Dimmer 4 255, CH 9 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Dimmer 2	0–255	
4	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
5	Dimmer 3	0–255	
6	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
7	Dimmer 4	0–255	
8	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
9	Dimmer 5	0–255	
10	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)

Mode Profile 5: Crossfade 8 Bit - Pixel 2

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

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Dimmer 2	0–255	
4	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)

Mode Profile 5: Crossfade 8 Bit - Pixel 1

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	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)

Mode Profile 6: CCT/RGB 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Color Control 1	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	

CH 1–140: 20 cells of 7 channels each. Every cell works as cell 1 in the table above (CH 1–7); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Color Control	Red	Green	Blue
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28
5	29	30	31	32	33	34	35
6	36	37	38	39	40	41	42
7	43	44	45	46	47	48	49
8	50	51	52	53	54	55	56
9	57	58	59	60	61	62	63
10	64	65	66	67	68	69	70
11	71	72	73	74	75	76	77
12	78	79	80	81	82	83	84
13	85	86	87	88	89	90	91
14	92	93	94	95	96	97	98
15	99	100	101	102	103	104	105
16	106	107	108	109	110	111	112
17	113	114	115	116	117	118	119
18	120	121	122	123	124	125	126
19	127	128	129	130	131	132	133
20	134	135	136	137	138	139	140

Mode Profile 6: CCT/RGB 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Color Control 1	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing

CH	Function	DMX	Description
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	

CH 1–70: 10 cells of 7 channels each. Every cell works as cell 1 in the table above (CH 1–7); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Color Control	Red	Green	Blue
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28
5	29	30	31	32	33	34	35
6	36	37	38	39	40	41	42
7	43	44	45	46	47	48	49
8	50	51	52	53	54	55	56
9	57	58	59	60	61	62	63
10	64	65	66	67	68	69	70

Mode Profile 6: CCT/RGB 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 8 Dimmer 2 above 0; CH 15 Dimmer 3 above 0; CH 22 Dimmer 4 above 0; CH 29 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 8 Dimmer 2 255, CH 15 Dimmer 3 255, CH 22 Dimmer 4 255, CH 29 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Color Control 1	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
8	Dimmer 2	0–255	
9	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
10	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
11	Color Control 2	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing

CH	Function	DMX	Description
12	Red 2	0–255	
13	Green 2	0–255	
14	Blue 2	0–255	
15	Dimmer 3	0–255	
16	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
17	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
18	Color Control 3	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing
19	Red 3	0–255	
20	Green 3	0–255	
21	Blue 3	0–255	
22	Dimmer 4	0–255	
23	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
24	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
25	Color Control 4	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing
26	Red 4	0–255	
27	Green 4	0–255	
28	Blue 4	0–255	
29	Dimmer 5	0–255	
30	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
31	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
32	Color Control 5	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing
33	Red 5	0–255	
34	Green 5	0–255	
35	Blue 5	0–255	

Mode Profile 6: CCT/RGB 8 Bit - Pixel 2

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 8 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 8 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Color Control 1		Same as CH 4 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
8	Dimmer 2	0–255	
9	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
10	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
11	Color Control 2		Same as CH 11 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
12	Red 2	0–255	
13	Green 2	0–255	
14	Blue 2	0–255	

Mode Profile 6: CCT/RGB 8 Bit - Pixel 1

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	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
3	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
4	Color Control	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing
5	Red	0–255	
6	Green	0–255	
7	Blue	0–255	

Mode Profile 7: CCT/RGB 16 Bit - Pixel 20

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 same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Color Control 1	0–255	White Light ... RGB Mixing
		255	RGB Mixing
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	

CH 1–180: 20 cells of 9 channels each. Every cell works as cell 1 in the table above (CH 1–9); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Color Control	Color Control Fine	Red	Green	Blue
1	1	2	3	4	5	6	7	8	9
2	10	11	12	13	14	15	16	17	18
3	19	20	21	22	23	24	25	26	27
4	28	29	30	31	32	33	34	35	36
5	37	38	39	40	41	42	43	44	45
6	46	47	48	49	50	51	52	53	54
7	55	56	57	58	59	60	61	62	63
8	64	65	66	67	68	69	70	71	72
9	73	74	75	76	77	78	79	80	81
10	82	83	84	85	86	87	88	89	90
11	91	92	93	94	95	96	97	98	99
12	100	101	102	103	104	105	106	107	108
13	109	110	111	112	113	114	115	116	117
14	118	119	120	121	122	123	124	125	126
15	127	128	129	130	131	132	133	134	135
16	136	137	138	139	140	141	142	143	144

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Color Control	Color Control Fine	Red	Green	Blue
17	145	146	147	148	149	150	151	152	153
18	154	155	156	157	158	159	160	161	162
19	163	164	165	166	167	168	169	170	171
20	172	173	174	175	176	177	178	179	180

Mode Profile 7: CCT/RGB 16 Bit - Pixel 10

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 same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Color Control 1	0–255	White Light ... RGB Mixing
		255	RGB Mixing
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	

CH 1–90: 10 cells of 9 channels each. Every cell works as cell 1 in the table above (CH 1–9); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Color Control	Color Control Fine	Red	Green	Blue
1	1	2	3	4	5	6	7	8	9
2	10	11	12	13	14	15	16	17	18
3	19	20	21	22	23	24	25	26	27
4	28	29	30	31	32	33	34	35	36
5	37	38	39	40	41	42	43	44	45
6	46	47	48	49	50	51	52	53	54
7	55	56	57	58	59	60	61	62	63
8	64	65	66	67	68	69	70	71	72
9	73	74	75	76	77	78	79	80	81
10	82	83	84	85	86	87	88	89	90

Mode Profile 7: CCT/RGB 16 Bit - Pixel 5

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 1 above 0; CH 10 Dimmer 2 above 0; CH 19 Dimmer 3 above 0; CH 28 Dimmer 4 above 0; CH 37 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 10 Dimmer 2 255, CH 19 Dimmer 3 255, CH 28 Dimmer 4 255, CH 37 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Color Control 1	0–255	White Light ... RGB Mixing
		255	RGB Mixing
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
10	Dimmer 2	0–255	
11	Dimmer 2 Fine	0–255	Fine adjustment of CH 10
12	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
14	Color Control 2	0–255	White Light ... RGB Mixing
		255	RGB Mixing
15	Color Control 2 Fine	0–255	Fine adjustment of CH 14
16	Red 2	0–255	
17	Green 2	0–255	
18	Blue 2	0–255	
19	Dimmer 3	0–255	
20	Dimmer 3 Fine	0–255	Fine adjustment of CH 19
21	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
22	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
23	Color Control 3	0–255	White Light ... RGB Mixing
		255	RGB Mixing
24	Color Control 3 Fine	0–255	Fine adjustment of CH 23
25	Red 3	0–255	
26	Green 3	0–255	
27	Blue 3	0–255	
28	Dimmer 4	0–255	
29	Dimmer 4 Fine	0–255	Fine adjustment of CH 28

CH	Function	DMX	Description
30	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
31	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
32	Color Control 4	0–255	White Light ... RGB Mixing
		255	RGB Mixing
33	Color Control 4 Fine	0–255	Fine adjustment of CH 32
34	Red 4	0–255	
35	Green 4	0–255	
36	Blue 4	0–255	
37	Dimmer 5	0–255	
38	Dimmer 5 Fine	0–255	Fine adjustment of CH 37
39	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
40	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
41	Color Control 5	0–255	White Light ... RGB Mixing
		255	RGB Mixing
42	Color Control 5 Fine	0–255	Fine adjustment of CH 41
43	Red 5	0–255	
44	Green 5	0–255	
45	Blue 5	0–255	

Mode Profile 7: CCT/RGB 16 Bit - Pixel 2

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 1 above 0; CH 10 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 10 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Color Control 1		Same as CH 5 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
10	Dimmer 2	0–255	
11	Dimmer 2 Fine	0–255	Fine adjustment of CH 10

CH	Function	DMX	Description
12	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
14	Color Control 2		Same as CH 14 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
15	Color Control 2 Fine	0–255	Fine adjustment of CH 14
16	Red 2	0–255	
17	Green 2	0–255	
18	Blue 2	0–255	

Mode Profile 7: CCT/RGB 16 Bit - Pixel 1

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

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

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
4	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
5	Color Control	0–255	White Light ... RGB Mixing
		255	RGB Mixing
6	Color Control Fine	0–255	Fine adjustment of CH 5
7	Red	0–255	
8	Green	0–255	
9	Blue	0–255	

Mode Profile 8: RGB 8 Bit - Pixel 20

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

CH 1–60: 20 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Red	Green	Blue	Cell	Red	Green	Blue	Cell	Red	Green	Blue
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36
13	37	38	39	14	40	41	42	15	43	44	45
16	46	47	48	17	49	50	51	18	52	53	54
19	55	56	57	20	58	59	60				

Mode Profile 8: RGB 8 Bit - Pixel 10

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

CH 1–36: 12 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Red	Green	Blue	Cell	Red	Green	Blue	Cell	Red	Green	Blue
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36

Mode Profile 8: RGB 8 Bit - Pixel 5

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
4	Red 2	0–255	
5	Green 2	0–255	
6	Blue 2	0–255	
7	Red 3	0–255	
8	Green 3	0–255	
9	Blue 3	0–255	
10	Red 4	0–255	
11	Green 4	0–255	
12	Blue 4	0–255	
13	Red 5	0–255	
14	Green 5	0–255	
15	Blue 5	0–255	

Mode Profile 8: RGB 8 Bit - Pixel 2

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

Mode Profile 8: RGB 8 Bit - Pixel 1

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

Mode Profile 9: HSIC + FX 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Hue 1		When CH 121 is 0–90:
		0–255	Hue
5	Saturation 1	0–255	
121	Effects	0–27	Off
		28–39	Rainbow
		40–51	Short Circuit
		52–64	Paparazzi
		65–77	Strobe
		78	Strobe ... Fire
		79–90	Fire
		91–103	Emergency Light
		104–115	TV
		116–128	Bouncer

CH	Function	DMX	Description
121	Effects (continued)	129–141	Sprinkles
		142–153	Zoom
		154–166	Science
		167–255	Chase
122	Effects Speed		FX Rate
		0–10	No Effect
		11–20	0% (Paused)
		21–119	1% to 99%
		120–145	100% Default
		146–244	101% to 199%
		245–255	200%
123	Effects Sync		FX Size
		0–38	Empty Channel SetSingle
		39–77	Single/Off
		78–115	Double
		116–153	Triple
		154–191	Quad
		192–255	Future Use

CH 1–100: 20 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Hue	Saturation	Cell	Dimmer	Color Temperature	Tint	Hue	Saturation
1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40
9	41	42	43	44	45	10	46	47	48	49	50
11	51	52	53	54	55	12	56	57	58	59	60
13	61	62	63	64	65	14	66	67	68	69	70
15	71	72	73	74	75	16	76	77	78	79	80
17	81	82	83	84	85	18	86	87	88	89	90
19	91	92	93	94	95	20	96	97	98	99	100

Mode Profile 9: HSIC + FX 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect

CH	Function	DMX	Description
3	Tint 1 (continued)	11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Hue 1		When CH 61 is 0–90:
		0–255	Hue
5	Saturation 1	0–255	
61	Effects		Same as CH 121 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 39)
62	Effects Speed		Same as CH 122 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
63	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

CH 1–50: 10 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Hue	Saturation	Cell	Dimmer	Color Temperature	Tint	Hue	Saturation
1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40
9	41	42	43	44	45	10	46	47	48	49	50

Mode Profile 9: HSIC + FX 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 6 Dimmer 2 above 0; CH 11 Dimmer 3 above 0; CH 16 Dimmer 4 above 0; CH 21 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 6 Dimmer 2 255, CH 11 Dimmer 3 255, CH 16 Dimmer 4 255, CH 21 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Hue 1		When CH 31 is 0–90:
		0–255	Hue
5	Saturation 1	0–255	
6	Dimmer 2	0–255	
7	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
8	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
9	Hue 2		When CH 31 is 0–90:
		0–255	Hue

CH	Function	DMX	Description
10	Saturation 2	0–255	
11	Dimmer 3	0–255	
12	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
14	Hue 3		When CH 31 is 0–90:
		0–255	Hue
15	Saturation 3	0–255	
16	Dimmer 4	0–255	
17	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
18	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
19	Hue 4		When CH 31 is 0–90:
		0–255	Hue
20	Saturation 4	0–255	
21	Dimmer 5	0–255	
22	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
23	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
24	Hue 5		When CH 31 is 0–90:
		0–255	Hue
25	Saturation 5	0–255	
31	Effects		Same as CH 121 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 39)
32	Effects Speed		Same as CH 122 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
33	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 9: HSIC + FX 8 Bit - Pixel 2

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

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Hue 1		When CH 11 is 0–90:
		0–255	Hue
5	Saturation 1	0–255	

CH	Function	DMX	Description
6	Dimmer 2	0–255	
7	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
8	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
9	Hue 2		When CH 11 is 0–90:
		0–255	Hue
10	Saturation 2	0–255	
11	Effects		Same as CH 121 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 39)
12	Effects Speed		Same as CH 122 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
13	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 9: HSIC + FX 8 Bit - Pixel 1

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	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
3	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
4	Hue		When CH 6 is 0–90:
		0–255	Hue
5	Saturation	0–255	
6	Effects		Same as CH 121 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 39)
7	Effects Speed		Same as CH 122 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
8	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 10: HSIC + FX 16 Bit - Pixel 20

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 same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K

CH	Function	DMX	Description
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
193	Effects	0–255	
194	Effects Speed	0–255	
195	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

CH 1–160: 20 cells of 8 channels each. Every cell works as cell 1 in the table above (CH 1–8); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Hue	Hue Fine	Saturation	Saturation Fine
1	1	2	3	4	5	6	7	8
2	9	10	11	12	13	14	15	16
3	17	18	19	20	21	22	23	24
4	25	26	27	28	29	30	31	32
5	33	34	35	36	37	38	39	40
6	41	42	43	44	45	46	47	48
7	49	50	51	52	53	54	55	56
8	57	58	59	60	61	62	63	64
9	65	66	67	68	69	70	71	72
10	73	74	75	76	77	78	79	80
11	81	82	83	84	85	86	87	88
12	89	90	91	92	93	94	95	96
13	97	98	99	100	101	102	103	104
14	105	106	107	108	109	110	111	112
15	113	114	115	116	117	118	119	120
16	121	122	123	124	125	126	127	128
17	129	130	131	132	133	134	135	136
18	137	138	139	140	141	142	143	144
19	145	146	147	148	149	150	151	152
20	153	154	155	156	157	158	159	160

Mode Profile 10: HSIC + FX 16 Bit - Pixel 10

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 same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
97	Effects	0–255	
98	Effects Speed	0–255	
99	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

CH 1–80: 10 cells of 8 channels each. Every cell works as cell 1 in the table above (CH 1–8); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Hue	Hue Fine	Saturation	Saturation Fine
1	1	2	3	4	5	6	7	8
2	9	10	11	12	13	14	15	16
3	17	18	19	20	21	22	23	24
4	25	26	27	28	29	30	31	32
5	33	34	35	36	37	38	39	40
6	41	42	43	44	45	46	47	48
7	49	50	51	52	53	54	55	56
8	57	58	59	60	61	62	63	64
9	65	66	67	68	69	70	71	72
10	73	74	75	76	77	78	79	80

Mode Profile 10: HSIC + FX 16 Bit - Pixel 5

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 1 above 0; CH 9 Dimmer 2 above 0; CH 17 Dimmer 3 above 0; CH 25 Dimmer 4 above 0; CH 33 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 9 Dimmer 2 255, CH 17 Dimmer 3 255, CH 25 Dimmer 4 255, CH 33 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
9	Dimmer 2	0–255	
10	Dimmer 2 Fine	0–255	Fine adjustment of CH 9
11	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
12	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Hue 2	0–255	
14	Hue 2 Fine	0–255	Fine adjustment of CH 13
15	Saturation 2	0–255	
16	Saturation 2 Fine	0–255	Fine adjustment of CH 15
17	Dimmer 3	0–255	
18	Dimmer 3 Fine	0–255	Fine adjustment of CH 17
19	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
20	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
21	Hue 3	0–255	
22	Hue 3 Fine	0–255	Fine adjustment of CH 21
23	Saturation 3	0–255	
24	Saturation 3 Fine	0–255	Fine adjustment of CH 23
25	Dimmer 4	0–255	
26	Dimmer 4 Fine	0–255	Fine adjustment of CH 25
27	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
28	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
29	Hue 4	0–255	
30	Hue 4 Fine	0–255	Fine adjustment of CH 29

CH	Function	DMX	Description
31	Saturation 4	0–255	
32	Saturation 4 Fine	0–255	Fine adjustment of CH 31
33	Dimmer 5	0–255	
34	Dimmer 5 Fine	0–255	Fine adjustment of CH 33
35	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
36	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
37	Hue 5	0–255	
38	Hue 5 Fine	0–255	Fine adjustment of CH 37
39	Saturation 5	0–255	
40	Saturation 5 Fine	0–255	Fine adjustment of CH 39
49	Effects	0–255	
50	Effects Speed	0–255	
51	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 10: HSIC + FX 16 Bit - Pixel 2

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 1 above 0; CH 9 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 9 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
9	Dimmer 2	0–255	
10	Dimmer 2 Fine	0–255	Fine adjustment of CH 9
11	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
12	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Hue 2	0–255	
14	Hue 2 Fine	0–255	Fine adjustment of CH 13
15	Saturation 2	0–255	
16	Saturation 2 Fine	0–255	Fine adjustment of CH 15

CH	Function	DMX	Description
17	Effects	0–255	
18	Effects Speed	0–255	
19	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 10: HSIC + FX 16 Bit - Pixel 1

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

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

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
4	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
5	Hue	0–255	
6	Hue Fine	0–255	Fine adjustment of CH 5
7	Saturation	0–255	
8	Saturation Fine	0–255	Fine adjustment of CH 7
9	Effects	0–255	
10	Effects Speed	0–255	
11	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 11: CCT/RGB + FX 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Color Control 1	0	White Light
		1–254	White Light ... RGB Mixing

CH	Function	DMX	Description
4	Color Control 1 (continued)	255	RGB Mixing
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
169	Effects	0–255	
170	Effects Speed	0–255	
171	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

CH 1–140: 20 cells of 7 channels each. Every cell works as cell 1 in the table above (CH 1–7); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Color Control	Red	Green	Blue
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28
5	29	30	31	32	33	34	35
6	36	37	38	39	40	41	42
7	43	44	45	46	47	48	49
8	50	51	52	53	54	55	56
9	57	58	59	60	61	62	63
10	64	65	66	67	68	69	70
11	71	72	73	74	75	76	77
12	78	79	80	81	82	83	84
13	85	86	87	88	89	90	91
14	92	93	94	95	96	97	98
15	99	100	101	102	103	104	105
16	106	107	108	109	110	111	112
17	113	114	115	116	117	118	119
18	120	121	122	123	124	125	126
19	127	128	129	130	131	132	133
20	134	135	136	137	138	139	140

Mode Profile 11: CCT/RGB + FX 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect

CH	Function	DMX	Description
3	Tint 1 (continued)	11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Color Control 1	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
85	Effects	0–255	
86	Effects Speed	0–255	
87	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

CH 1–70: 10 cells of 7 channels each. Every cell works as cell 1 in the table above (CH 1–7); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Color Control	Red	Green	Blue
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28
5	29	30	31	32	33	34	35
6	36	37	38	39	40	41	42
7	43	44	45	46	47	48	49
8	50	51	52	53	54	55	56
9	57	58	59	60	61	62	63
10	64	65	66	67	68	69	70

Mode Profile 11: CCT/RGB + FX 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 8 Dimmer 2 above 0; CH 15 Dimmer 3 above 0; CH 22 Dimmer 4 above 0; CH 29 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 8 Dimmer 2 255, CH 15 Dimmer 3 255, CH 22 Dimmer 4 255, CH 29 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Color Control 1		Same as CH 4 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
5	Red 1	0–255	

CH	Function	DMX	Description
6	Green 1	0–255	
7	Blue 1	0–255	
8	Dimmer 2	0–255	
9	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
10	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
11	Color Control 2		Same as CH 11 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
12	Red 2	0–255	
13	Green 2	0–255	
14	Blue 2	0–255	
15	Dimmer 3	0–255	
16	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
17	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
18	Color Control 3		Same as CH 18 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 31)
19	Red 3	0–255	
20	Green 3	0–255	
21	Blue 3	0–255	
22	Dimmer 4	0–255	
23	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
24	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
25	Color Control 4		Same as CH 25 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 31)
26	Red 4	0–255	
27	Green 4	0–255	
28	Blue 4	0–255	
29	Dimmer 5	0–255	
30	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
31	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
32	Color Control 5		Same as CH 32 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 31)
33	Red 5	0–255	
34	Green 5	0–255	
35	Blue 5	0–255	

CH	Function	DMX	Description
43	Effects	0–255	
44	Effects Speed	0–255	
45	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 11: CCT/RGB + FX 8 Bit - Pixel 2

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 8 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 8 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Color Control 1		Same as CH 4 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
8	Dimmer 2	0–255	
9	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
10	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
11	Color Control 2		Same as CH 11 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
12	Red 2	0–255	
13	Green 2	0–255	
14	Blue 2	0–255	
15	Effects	0–255	
16	Effects Speed	0–255	
17	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 11: CCT/RGB + FX 8 Bit - Pixel 1

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	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
3	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)

CH	Function	DMX	Description
4	Color Control		Same as CH 4 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 1” (p. 32)
5	Red	0–255	
6	Green	0–255	
7	Blue	0–255	
8	Effects	0–255	
9	Effects Speed	0–255	
10	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 12: CCT/RGB + FX 16 Bit - Pixel 20

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 same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Color Control 1	0–255	White Light ... RGB Mixing
		255	RGB Mixing
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
217	Effects	0–255	
218	Effects Speed	0–255	
219	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

CH 1–180: 20 cells of 9 channels each. Every cell works as cell 1 in the table above (CH 1–9); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Color Control	Color Control Fine	Red	Green	Blue
1	1	2	3	4	5	6	7	8	9
2	10	11	12	13	14	15	16	17	18
3	19	20	21	22	23	24	25	26	27
4	28	29	30	31	32	33	34	35	36
5	37	38	39	40	41	42	43	44	45
6	46	47	48	49	50	51	52	53	54
7	55	56	57	58	59	60	61	62	63
8	64	65	66	67	68	69	70	71	72
9	73	74	75	76	77	78	79	80	81
10	82	83	84	85	86	87	88	89	90
11	91	92	93	94	95	96	97	98	99
12	100	101	102	103	104	105	106	107	108
13	109	110	111	112	113	114	115	116	117
14	118	119	120	121	122	123	124	125	126
15	127	128	129	130	131	132	133	134	135
16	136	137	138	139	140	141	142	143	144
17	145	146	147	148	149	150	151	152	153
18	154	155	156	157	158	159	160	161	162
19	163	164	165	166	167	168	169	170	171
20	172	173	174	175	176	177	178	179	180

Mode Profile 12: CCT/RGB + FX 16 Bit - Pixel 10

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 same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Color Control 1	0–255	White Light ... RGB Mixing

CH	Function	DMX	Description
5	Color Control 1 (continued)	255	RGB Mixing
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
109	Effects	0–255	
110	Effects Speed	0–255	
111	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

CH 1–90: 10 cells of 9 channels each. Every cell works as cell 1 in the table above (CH 1–9); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Color Control	Color Control Fine	Red	Green	Blue
1	1	2	3	4	5	6	7	8	9
2	10	11	12	13	14	15	16	17	18
3	19	20	21	22	23	24	25	26	27
4	28	29	30	31	32	33	34	35	36
5	37	38	39	40	41	42	43	44	45
6	46	47	48	49	50	51	52	53	54
7	55	56	57	58	59	60	61	62	63
8	64	65	66	67	68	69	70	71	72
9	73	74	75	76	77	78	79	80	81
10	82	83	84	85	86	87	88	89	90

Mode Profile 12: CCT/RGB + FX 16 Bit - Pixel 5

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 1 above 0; CH 10 Dimmer 2 above 0; CH 19 Dimmer 3 above 0; CH 28 Dimmer 4 above 0; CH 37 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 10 Dimmer 2 255, CH 19 Dimmer 3 255, CH 28 Dimmer 4 255, CH 37 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Color Control 1		Same as CH 5 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
10	Dimmer 2	0–255	

CH	Function	DMX	Description
11	Dimmer 2 Fine	0–255	Fine adjustment of CH 10
12	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
14	Color Control 2		Same as CH 14 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
15	Color Control 2 Fine	0–255	Fine adjustment of CH 14
16	Red 2	0–255	
17	Green 2	0–255	
18	Blue 2	0–255	
19	Dimmer 3	0–255	
20	Dimmer 3 Fine	0–255	Fine adjustment of CH 19
21	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
22	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
23	Color Control 3		Same as CH 23 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
24	Color Control 3 Fine	0–255	Fine adjustment of CH 23
25	Red 3	0–255	
26	Green 3	0–255	
27	Blue 3	0–255	
28	Dimmer 4	0–255	
29	Dimmer 4 Fine	0–255	Fine adjustment of CH 28
30	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
31	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
32	Color Control 4		Same as CH 32 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 36)
33	Color Control 4 Fine	0–255	Fine adjustment of CH 32
34	Red 4	0–255	
35	Green 4	0–255	
36	Blue 4	0–255	
37	Dimmer 5	0–255	
38	Dimmer 5 Fine	0–255	Fine adjustment of CH 37
39	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
40	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
41	Color Control 5		Same as CH 41 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 36)
42	Color Control 5 Fine	0–255	Fine adjustment of CH 41
43	Red 5	0–255	

CH	Function	DMX	Description
44	Green 5	0–255	
45	Blue 5	0–255	
55	Effects	0–255	
56	Effects Speed	0–255	
57	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 12: CCT/RGB + FX 16 Bit - Pixel 2

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 1 above 0; CH 10 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 10 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Color Control 1		Same as CH 5 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
10	Dimmer 2	0–255	
11	Dimmer 2 Fine	0–255	Fine adjustment of CH 10
12	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
14	Color Control 2		Same as CH 14 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
15	Color Control 2 Fine	0–255	Fine adjustment of CH 14
16	Red 2	0–255	
17	Green 2	0–255	
18	Blue 2	0–255	
19	Effects	0–255	
20	Effects Speed	0–255	
21	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 12: CCT/RGB + FX 16 Bit - Pixel 1

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

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

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
4	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
5	Color Control		Same as CH 5 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 1” (p. 37)
6	Color Control Fine	0–255	Fine adjustment of CH 5
7	Red	0–255	
8	Green	0–255	
9	Blue	0–255	
10	Effects	0–255	
11	Effects Speed	0–255	
12	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

Mode Profile 13: RGBTD 8 Bit - Pixel 20

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
4	Warm White 1	0–255	2000 k
5	Cool White 1	0–255	6000 k

CH 1–100: 20 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Red	Green	Blue	Warm White	Cool White	Cell	Red	Green	Blue	Warm White	Cool White
1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40
9	41	42	43	44	45	10	46	47	48	49	50
11	51	52	53	54	55	12	56	57	58	59	60
13	61	62	63	64	65	14	66	67	68	69	70
15	71	72	73	74	75	16	76	77	78	79	80
17	81	82	83	84	85	18	86	87	88	89	90
19	91	92	93	94	95	20	96	97	98	99	100

Mode Profile 13: RGBTD 8 Bit - Pixel 10

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
4	Warm White 1	0–255	2000 k
5	Cool White 1	0–255	6000 k

CH 1–50: 10 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Red	Green	Blue	Warm White	Cool White	Cell	Red	Green	Blue	Warm White	Cool White
1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40
9	41	42	43	44	45	10	46	47	48	49	50

Mode Profile 13: RGBTD 8 Bit - Pixel 5

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
4	Warm White 1	0–255	2000 k
5	Cool White 1	0–255	6000 k
6	Red 2	0–255	
7	Green 2	0–255	
8	Blue 2	0–255	
9	Warm White 2	0–255	2000 k
10	Cool White 2	0–255	6000 k
11	Red 3	0–255	
12	Green 3	0–255	
13	Blue 3	0–255	
14	Warm White 3	0–255	2000 k
15	Cool White 3	0–255	6000 k
16	Red 4	0–255	
17	Green 4	0–255	
18	Blue 4	0–255	
19	Warm White 4	0–255	2000 k
20	Cool White 4	0–255	6000 k
21	Red 5	0–255	
22	Green 5	0–255	

CH	Function	DMX	Description
23	Blue 5	0–255	
24	Warm White 5	0–255	2000 k
25	Cool White 5	0–255	6000 k

Mode Profile 13: RGBTD 8 Bit - Pixel 2

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
4	Warm White 1	0–255	2000 k
5	Cool White 1	0–255	6000 k
6	Red 2	0–255	
7	Green 2	0–255	
8	Blue 2	0–255	
9	Warm White 2	0–255	2000 k
10	Cool White 2	0–255	6000 k

Mode Profile 13: RGBTD 8 Bit - Pixel 1

CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Warm White	0–255	2000 k
5	Cool White	0–255	6000 k

Mode Profile 14: RGBTD 16 Bit - Pixel 20

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Warm White 1	0–255	2000 k
8	Warm White 1 Fine	0–255	Fine adjustment of CH 7
9	Cool White 1	0–255	6000 k
10	Cool White 1 Fine	0–255	Fine adjustment of CH 9

CH 1–200: 20 cells of 10 channels each. Every cell works as cell 1 in the table above (CH 1–10); the table below gives each cell's channel numbers.

Cell	Red	Red Fine	Green	Green Fine	Blue	Blue Fine	Warm White	Warm White Fine	Cool White	Cool White Fine
1	1	2	3	4	5	6	7	8	9	10
2	11	12	13	14	15	16	17	18	19	20
3	21	22	23	24	25	26	27	28	29	30
4	31	32	33	34	35	36	37	38	39	40
5	41	42	43	44	45	46	47	48	49	50
6	51	52	53	54	55	56	57	58	59	60
7	61	62	63	64	65	66	67	68	69	70
8	71	72	73	74	75	76	77	78	79	80
9	81	82	83	84	85	86	87	88	89	90
10	91	92	93	94	95	96	97	98	99	100
11	101	102	103	104	105	106	107	108	109	110
12	111	112	113	114	115	116	117	118	119	120
13	121	122	123	124	125	126	127	128	129	130
14	131	132	133	134	135	136	137	138	139	140
15	141	142	143	144	145	146	147	148	149	150
16	151	152	153	154	155	156	157	158	159	160
17	161	162	163	164	165	166	167	168	169	170
18	171	172	173	174	175	176	177	178	179	180
19	181	182	183	184	185	186	187	188	189	190
20	191	192	193	194	195	196	197	198	199	200

Mode Profile 14: RGBTD 16 Bit - Pixel 10

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Warm White 1	0–255	2000 k
8	Warm White 1 Fine	0–255	Fine adjustment of CH 7
9	Cool White 1	0–255	6000 k
10	Cool White 1 Fine	0–255	Fine adjustment of CH 9

CH 1–100: 10 cells of 10 channels each. Every cell works as cell 1 in the table above (CH 1–10); the table below gives each cell's channel numbers.

Cell	Red	Red Fine	Green	Green Fine	Blue	Blue Fine	Warm White	Warm White Fine	Cool White	Cool White Fine
1	1	2	3	4	5	6	7	8	9	10
2	11	12	13	14	15	16	17	18	19	20
3	21	22	23	24	25	26	27	28	29	30
4	31	32	33	34	35	36	37	38	39	40
5	41	42	43	44	45	46	47	48	49	50
6	51	52	53	54	55	56	57	58	59	60
7	61	62	63	64	65	66	67	68	69	70
8	71	72	73	74	75	76	77	78	79	80
9	81	82	83	84	85	86	87	88	89	90
10	91	92	93	94	95	96	97	98	99	100

Mode Profile 14: RGBTD 16 Bit - Pixel 5

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Warm White 1	0–255	2000 k
8	Warm White 1 Fine	0–255	Fine adjustment of CH 7
9	Cool White 1	0–255	6000 k
10	Cool White 1 Fine	0–255	Fine adjustment of CH 9
11	Red 2	0–255	
12	Red 2 Fine	0–255	Fine adjustment of CH 11
13	Green 2	0–255	
14	Green 2 Fine	0–255	Fine adjustment of CH 13
15	Blue 2	0–255	
16	Blue 2 Fine	0–255	Fine adjustment of CH 15
17	Warm White 2	0–255	2000 k
18	Warm White 2 Fine	0–255	Fine adjustment of CH 17
19	Cool White 2	0–255	6000 k
20	Cool White 2 Fine	0–255	Fine adjustment of CH 19
21	Red 3	0–255	
22	Red 3 Fine	0–255	Fine adjustment of CH 21
23	Green 3	0–255	
24	Green 3 Fine	0–255	Fine adjustment of CH 23
CH	**Function**	**DMX**	**Description**

25	Blue 3	0–255	
26	Blue 3 Fine	0–255	Fine adjustment of CH 25
27	Warm White 3	0–255	2000 k
28	Warm White 3 Fine	0–255	Fine adjustment of CH 27
29	Cool White 3	0–255	6000 k
30	Cool White 3 Fine	0–255	Fine adjustment of CH 29
31	Red 4	0–255	
32	Red 4 Fine	0–255	Fine adjustment of CH 31
33	Green 4	0–255	
34	Green 4 Fine	0–255	Fine adjustment of CH 33
35	Blue 4	0–255	
36	Blue 4 Fine	0–255	Fine adjustment of CH 35
37	Warm White 4	0–255	2000 k
38	Warm White 4 Fine	0–255	Fine adjustment of CH 37
39	Cool White 4	0–255	6000 k
40	Cool White 4 Fine	0–255	Fine adjustment of CH 39
41	Red 5	0–255	
42	Red 5 Fine	0–255	Fine adjustment of CH 41
43	Green 5	0–255	
44	Green 5 Fine	0–255	Fine adjustment of CH 43
45	Blue 5	0–255	
46	Blue 5 Fine	0–255	Fine adjustment of CH 45
47	Warm White 5	0–255	2000 k
48	Warm White 5 Fine	0–255	Fine adjustment of CH 47
49	Cool White 5	0–255	6000 k
50	Cool White 5 Fine	0–255	Fine adjustment of CH 49

Mode Profile 14: RGBTD 16 Bit - Pixel 2

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Warm White 1	0–255	2000 k
8	Warm White 1 Fine	0–255	Fine adjustment of CH 7
9	Cool White 1	0–255	6000 k
10	Cool White 1 Fine	0–255	Fine adjustment of CH 9
11	Red 2	0–255	
12	Red 2 Fine	0–255	Fine adjustment of CH 11
CH	**Function**	**DMX**	**Description**

13	Green 2	0–255	
14	Green 2 Fine	0–255	Fine adjustment of CH 13
15	Blue 2	0–255	
16	Blue 2 Fine	0–255	Fine adjustment of CH 15
17	Warm White 2	0–255	2000 k
18	Warm White 2 Fine	0–255	Fine adjustment of CH 17
19	Cool White 2	0–255	6000 k
20	Cool White 2 Fine	0–255	Fine adjustment of CH 19

Mode Profile 14: RGBTD 16 Bit - Pixel 1

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

CH	Function	DMX	Description
1	Red	0–255	
2	Red Fine	0–255	Fine adjustment of CH 1
3	Green	0–255	
4	Green Fine	0–255	Fine adjustment of CH 3
5	Blue	0–255	
6	Blue Fine	0–255	Fine adjustment of CH 5
7	Warm White	0–255	2000 k
8	Warm White Fine	0–255	Fine adjustment of CH 7
9	Cool White	0–255	6000 k
10	Cool White Fine	0–255	Fine adjustment of CH 9

Mode Profile 15: RGB 16 Bit - Pixel 20

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5

CH 1–120: 20 cells of 6 channels each. Every cell works as cell 1 in the table above (CH 1–6); the table below gives each cell's channel numbers.

Cell	Red	Red Fine	Green	Green Fine	Blue	Blue Fine
1	1	2	3	4	5	6
2	7	8	9	10	11	12
3	13	14	15	16	17	18
4	19	20	21	22	23	24
5	25	26	27	28	29	30
6	31	32	33	34	35	36
7	37	38	39	40	41	42
Cell	**Red**	**Red Fine**	**Green**	**Green Fine**	**Blue**	**Blue Fine**

8	43	44	45	46	47	48
9	49	50	51	52	53	54
10	55	56	57	58	59	60
11	61	62	63	64	65	66
12	67	68	69	70	71	72
13	73	74	75	76	77	78
14	79	80	81	82	83	84
15	85	86	87	88	89	90
16	91	92	93	94	95	96
17	97	98	99	100	101	102
18	103	104	105	106	107	108
19	109	110	111	112	113	114
20	115	116	117	118	119	120

Mode Profile 15: RGB 16 Bit - Pixel 10

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5

CH 1–60: 10 cells of 6 channels each. Every cell works as cell 1 in the table above (CH 1–6); the table below gives each cell's channel numbers.

Cell	Red	Red Fine	Green	Green Fine	Blue	Blue Fine
1	1	2	3	4	5	6
2	7	8	9	10	11	12
3	13	14	15	16	17	18
4	19	20	21	22	23	24
5	25	26	27	28	29	30
6	31	32	33	34	35	36
7	37	38	39	40	41	42
8	43	44	45	46	47	48
9	49	50	51	52	53	54
10	55	56	57	58	59	60

Mode Profile 15: RGB 16 Bit - Pixel 5

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
CH	**Function**	**DMX**	**Description**
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Red 2	0–255	
8	Red 2 Fine	0–255	Fine adjustment of CH 7
9	Green 2	0–255	
10	Green 2 Fine	0–255	Fine adjustment of CH 9
11	Blue 2	0–255	
12	Blue 2 Fine	0–255	Fine adjustment of CH 11
13	Red 3	0–255	
14	Red 3 Fine	0–255	Fine adjustment of CH 13
15	Green 3	0–255	
16	Green 3 Fine	0–255	Fine adjustment of CH 15
17	Blue 3	0–255	
18	Blue 3 Fine	0–255	Fine adjustment of CH 17
19	Red 4	0–255	
20	Red 4 Fine	0–255	Fine adjustment of CH 19
21	Green 4	0–255	
22	Green 4 Fine	0–255	Fine adjustment of CH 21
23	Blue 4	0–255	
24	Blue 4 Fine	0–255	Fine adjustment of CH 23
25	Red 5	0–255	
26	Red 5 Fine	0–255	Fine adjustment of CH 25
27	Green 5	0–255	
28	Green 5 Fine	0–255	Fine adjustment of CH 27
29	Blue 5	0–255	
30	Blue 5 Fine	0–255	Fine adjustment of CH 29

Mode Profile 15: RGB 16 Bit - Pixel 2

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3

5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Red 2	0–255	
8	Red 2 Fine	0–255	Fine adjustment of CH 7
9	Green 2	0–255	
10	Green 2 Fine	0–255	Fine adjustment of CH 9

CH	Function	DMX	Description
11	Blue 2	0–255	
12	Blue 2 Fine	0–255	Fine adjustment of CH 11

Mode Profile 15: RGB 16 Bit - Pixel 1

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

CH	Function	DMX	Description
1	Red	0–255	
2	Red Fine	0–255	Fine adjustment of CH 1
3	Green	0–255	
4	Green Fine	0–255	Fine adjustment of CH 3
5	Blue	0–255	
6	Blue Fine	0–255	Fine adjustment of CH 5

Mode Profile 19: XY 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	CIE X 1	0–255	
3	CIE Y 1	0–255	

CH 1–60: 20 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	CIE X	CIE Y	Cell	Dimmer	CIE X	CIE Y	Cell	Dimmer	CIE X	CIE Y
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36
13	37	38	39	14	40	41	42	15	43	44	45
16	46	47	48	17	49	50	51	18	52	53	54
19	55	56	57	20	58	59	60				

Mode Profile 19: XY 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 12 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	

2	CIE X 1	0–255
3	CIE Y 1	0–255

CH 1–36: 12 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	CIE X	CIE Y	Cell	Dimmer	CIE X	CIE Y	Cell	Dimmer	CIE X	CIE Y
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
Cell	**Dimmer**	**CIE X**	**CIE Y**	**Cell**	**Dimmer**	**CIE X**	**CIE Y**	**Cell**	**Dimmer**	**CIE X**	**CIE Y**
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36

Mode Profile 19: XY 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0; CH 7 Dimmer 3 above 0; CH 10 Dimmer 4 above 0; CH 13 Dimmer 5 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	CIE X 1	0–255	
3	CIE Y 1	0–255	
4	Dimmer 2	0–255	
5	CIE X 2	0–255	
6	CIE Y 2	0–255	
7	Dimmer 3	0–255	
8	CIE X 3	0–255	
9	CIE Y 3	0–255	
10	Dimmer 4	0–255	
11	CIE X 4	0–255	
12	CIE Y 4	0–255	
13	Dimmer 5	0–255	
14	CIE X 5	0–255	
15	CIE Y 5	0–255	

Mode Profile 19: XY 8 Bit - Pixel 2

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	CIE X 1	0–255	
3	CIE Y 1	0–255	
4	Dimmer 2	0–255	
5	CIE X 2	0–255	
6	CIE Y 2	0–255	

Mode Profile 19: XY 8 Bit - Pixel 1

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0.

CH	Function	DMX	Description
1	Dimmer	0–255	
2	CIE X	0–255	
3	CIE Y	0–255	

Mode Profile 20: XY 16 Bit - Pixel 20

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 same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	CIE X 1	0–255	
4	CIE X 1 Fine	0–255	Fine adjustment of CH 3
5	CIE Y 1	0–255	
6	CIE Y 1 Fine	0–255	Fine adjustment of CH 5

CH 1–120: 20 cells of 6 channels each. Every cell works as cell 1 in the table above (CH 1–6); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	CIE X	CIE X Fine	CIE Y	CIE Y Fine
1	1	2	3	4	5	6
2	7	8	9	10	11	12
3	13	14	15	16	17	18
4	19	20	21	22	23	24
5	25	26	27	28	29	30
6	31	32	33	34	35	36
7	37	38	39	40	41	42
8	43	44	45	46	47	48
9	49	50	51	52	53	54
10	55	56	57	58	59	60
11	61	62	63	64	65	66
12	67	68	69	70	71	72
13	73	74	75	76	77	78
14	79	80	81	82	83	84
15	85	86	87	88	89	90
16	91	92	93	94	95	96
17	97	98	99	100	101	102
18	103	104	105	106	107	108
19	109	110	111	112	113	114
20	115	116	117	118	119	120

Mode Profile 20: XY 16 Bit - Pixel 10

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 same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	CIE X 1	0–255	
4	CIE X 1 Fine	0–255	Fine adjustment of CH 3
5	CIE Y 1	0–255	
CH	**Function**	**DMX**	**Description**
6	CIE Y 1 Fine	0–255	Fine adjustment of CH 5

CH 1–60: 10 cells of 6 channels each. Every cell works as cell 1 in the table above (CH 1–6); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	CIE X	CIE X Fine	CIE Y	CIE Y Fine
1	1	2	3	4	5	6
2	7	8	9	10	11	12
3	13	14	15	16	17	18
4	19	20	21	22	23	24
5	25	26	27	28	29	30
6	31	32	33	34	35	36
7	37	38	39	40	41	42
8	43	44	45	46	47	48
9	49	50	51	52	53	54
10	55	56	57	58	59	60

Mode Profile 20: XY 16 Bit - Pixel 5

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 1 above 0; CH 7 Dimmer 2 above 0; CH 13 Dimmer 3 above 0; CH 19 Dimmer 4 above 0; CH 25 Dimmer 5 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	CIE X 1	0–255	
4	CIE X 1 Fine	0–255	Fine adjustment of CH 3
5	CIE Y 1	0–255	
6	CIE Y 1 Fine	0–255	Fine adjustment of CH 5
7	Dimmer 2	0–255	
8	Dimmer 2 Fine	0–255	Fine adjustment of CH 7
9	CIE X 2	0–255	
10	CIE X 2 Fine	0–255	Fine adjustment of CH 9
11	CIE Y 2	0–255	
12	CIE Y 2 Fine	0–255	Fine adjustment of CH 11
13	Dimmer 3	0–255	

14	Dimmer 3 Fine	0–255	Fine adjustment of CH 13
15	CIE X 3	0–255	
16	CIE X 3 Fine	0–255	Fine adjustment of CH 15
17	CIE Y 3	0–255	
18	CIE Y 3 Fine	0–255	Fine adjustment of CH 17
19	Dimmer 4	0–255	
20	Dimmer 4 Fine	0–255	Fine adjustment of CH 19
21	CIE X 4	0–255	
22	CIE X 4 Fine	0–255	Fine adjustment of CH 21

CH	Function	DMX	Description
23	CIE Y 4	0–255	
24	CIE Y 4 Fine	0–255	Fine adjustment of CH 23
25	Dimmer 5	0–255	
26	Dimmer 5 Fine	0–255	Fine adjustment of CH 25
27	CIE X 5	0–255	
28	CIE X 5 Fine	0–255	Fine adjustment of CH 27
29	CIE Y 5	0–255	
30	CIE Y 5 Fine	0–255	Fine adjustment of CH 29

Mode Profile 20: XY 16 Bit - Pixel 2

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 1 above 0; CH 7 Dimmer 2 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	CIE X 1	0–255	
4	CIE X 1 Fine	0–255	Fine adjustment of CH 3
5	CIE Y 1	0–255	
6	CIE Y 1 Fine	0–255	Fine adjustment of CH 5
7	Dimmer 2	0–255	
8	Dimmer 2 Fine	0–255	Fine adjustment of CH 7
9	CIE X 2	0–255	
10	CIE X 2 Fine	0–255	Fine adjustment of CH 9
11	CIE Y 2	0–255	
12	CIE Y 2 Fine	0–255	Fine adjustment of CH 11

Mode Profile 20: XY 16 Bit - Pixel 1

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0.

CH	Function	DMX	Description
1	Dimmer	0–255	
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 Profile 21: XY + Spectrum 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	CIE X 1	0–255	
3	CIE Y 1	0–255	
73	CIE Brightness	0–255	

CH 1–60: 20 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	CIE X	CIE Y	Cell	Dimmer	CIE X	CIE Y	Cell	Dimmer	CIE X	CIE Y
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36
13	37	38	39	14	40	41	42	15	43	44	45
16	46	47	48	17	49	50	51	18	52	53	54
19	55	56	57	20	58	59	60				

Mode Profile 21: XY + Spectrum 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 12 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	CIE X 1	0–255	
3	CIE Y 1	0–255	
37	CIE Brightness	0–255	

CH 1–36: 12 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	CIE X	CIE Y	Cell	Dimmer	CIE X	CIE Y	Cell	Dimmer	CIE X	CIE Y
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36

Mode Profile 21: XY + Spectrum 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0; CH 7 Dimmer 3 above 0; CH 10 Dimmer 4 above 0; CH 13 Dimmer 5 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	CIE X 1	0–255	
3	CIE Y 1	0–255	
4	Dimmer 2	0–255	
5	CIE X 2	0–255	
6	CIE Y 2	0–255	
7	Dimmer 3	0–255	
8	CIE X 3	0–255	
CH	Function	DMX	Description
9	CIE Y 3	0–255	
10	Dimmer 4	0–255	
11	CIE X 4	0–255	
12	CIE Y 4	0–255	
13	Dimmer 5	0–255	
14	CIE X 5	0–255	
15	CIE Y 5	0–255	
19	CIE Brightness	0–255	

Mode Profile 21: XY + Spectrum 8 Bit - Pixel 2

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	CIE X 1	0–255	
3	CIE Y 1	0–255	
4	Dimmer 2	0–255	
5	CIE X 2	0–255	
6	CIE Y 2	0–255	
7	CIE Brightness	0–255	

Mode Profile 21: XY + Spectrum 8 Bit - Pixel 1

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0.

CH	Function	DMX	Description
1	Dimmer	0–255	
2	CIE X	0–255	
3	CIE Y	0–255	
4	CIE Brightness	0–255	

Mode Profile 22: XY + Spectrum 16 Bit - Pixel 20

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 same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	CIE X 1	0–255	
4	CIE X 1 Fine	0–255	Fine adjustment of CH 3
5	CIE Y 1	0–255	
6	CIE Y 1 Fine	0–255	Fine adjustment of CH 5
145	CIE Brightness	0–255	

CH 1–120: 20 cells of 6 channels each. Every cell works as cell 1 in the table above (CH 1–6); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	CIE X	CIE X Fine	CIE Y	CIE Y Fine
1	1	2	3	4	5	6
2	7	8	9	10	11	12
3	13	14	15	16	17	18
4	19	20	21	22	23	24
5	25	26	27	28	29	30
6	31	32	33	34	35	36
7	37	38	39	40	41	42
8	43	44	45	46	47	48
9	49	50	51	52	53	54
10	55	56	57	58	59	60
11	61	62	63	64	65	66
12	67	68	69	70	71	72
13	73	74	75	76	77	78
14	79	80	81	82	83	84
15	85	86	87	88	89	90
16	91	92	93	94	95	96
17	97	98	99	100	101	102
18	103	104	105	106	107	108
19	109	110	111	112	113	114
20	115	116	117	118	119	120

Mode Profile 22: XY + Spectrum 16 Bit - Pixel 10

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 same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	CIE X 1	0–255	
4	CIE X 1 Fine	0–255	Fine adjustment of CH 3
5	CIE Y 1	0–255	
6	CIE Y 1 Fine	0–255	Fine adjustment of CH 5

73	CIE Brightness	0–255

CH 1–60: 10 cells of 6 channels each. Every cell works as cell 1 in the table above (CH 1–6); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	CIE X	CIE X Fine	CIE Y	CIE Y Fine
1	1	2	3	4	5	6
2	7	8	9	10	11	12
3	13	14	15	16	17	18
4	19	20	21	22	23	24
Cell	**Dimmer**	**Dimmer Fine**	**CIE X**	**CIE X Fine**	**CIE Y**	**CIE Y Fine**
5	25	26	27	28	29	30
6	31	32	33	34	35	36
7	37	38	39	40	41	42
8	43	44	45	46	47	48
9	49	50	51	52	53	54
10	55	56	57	58	59	60

Mode Profile 22: XY + Spectrum 16 Bit - Pixel 5

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 1 above 0; CH 7 Dimmer 2 above 0; CH 13 Dimmer 3 above 0; CH 19 Dimmer 4 above 0; CH 25 Dimmer 5 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	CIE X 1	0–255	
4	CIE X 1 Fine	0–255	Fine adjustment of CH 3
5	CIE Y 1	0–255	
6	CIE Y 1 Fine	0–255	Fine adjustment of CH 5
7	Dimmer 2	0–255	
8	Dimmer 2 Fine	0–255	Fine adjustment of CH 7
9	CIE X 2	0–255	
10	CIE X 2 Fine	0–255	Fine adjustment of CH 9
11	CIE Y 2	0–255	
12	CIE Y 2 Fine	0–255	Fine adjustment of CH 11
13	Dimmer 3	0–255	
14	Dimmer 3 Fine	0–255	Fine adjustment of CH 13
15	CIE X 3	0–255	
16	CIE X 3 Fine	0–255	Fine adjustment of CH 15
17	CIE Y 3	0–255	
18	CIE Y 3 Fine	0–255	Fine adjustment of CH 17
19	Dimmer 4	0–255	
20	Dimmer 4 Fine	0–255	Fine adjustment of CH 19
21	CIE X 4	0–255	

22	CIE X 4 Fine	0–255	Fine adjustment of CH 21
23	CIE Y 4	0–255	
24	CIE Y 4 Fine	0–255	Fine adjustment of CH 23
25	Dimmer 5	0–255	
26	Dimmer 5 Fine	0–255	Fine adjustment of CH 25
27	CIE X 5	0–255	
28	CIE X 5 Fine	0–255	Fine adjustment of CH 27
29	CIE Y 5	0–255	
CH	**Function**	**DMX**	**Description**
30	CIE Y 5 Fine	0–255	Fine adjustment of CH 29
37	CIE Brightness	0–255	

Mode Profile 22: XY + Spectrum 16 Bit - Pixel 2

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 1 above 0; CH 7 Dimmer 2 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	CIE X 1	0–255	
4	CIE X 1 Fine	0–255	Fine adjustment of CH 3
5	CIE Y 1	0–255	
6	CIE Y 1 Fine	0–255	Fine adjustment of CH 5
7	Dimmer 2	0–255	
8	Dimmer 2 Fine	0–255	Fine adjustment of CH 7
9	CIE X 2	0–255	
10	CIE X 2 Fine	0–255	Fine adjustment of CH 9
11	CIE Y 2	0–255	
12	CIE Y 2 Fine	0–255	Fine adjustment of CH 11
13	CIE Brightness	0–255	

Mode Profile 22: XY + Spectrum 16 Bit - Pixel 1

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

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0.

CH	Function	DMX	Description
1	Dimmer	0–255	
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	CIE Brightness	0–255	

Mode Profile 31: HSIC + Output 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
CH	**Function**	**DMX**	**Description**
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Hue 1	0–255	
5	Saturation 1	0–255	
121	Lamp Power Mode	0–77	High
		78–153	Standard
		154–255	Low

CH 1–100: 20 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Hue	Saturation	Cell	Dimmer	Color Temperature	Tint	Hue	Saturation
1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40
9	41	42	43	44	45	10	46	47	48	49	50
11	51	52	53	54	55	12	56	57	58	59	60
13	61	62	63	64	65	14	66	67	68	69	70
15	71	72	73	74	75	16	76	77	78	79	80
17	81	82	83	84	85	18	86	87	88	89	90
19	91	92	93	94	95	20	96	97	98	99	100

Mode Profile 31: HSIC + Output 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K

		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Hue 1	0–255	
5	Saturation 1	0–255	

CH	Function	DMX	Description
61	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–50: 10 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Hue	Saturation	Cell	Dimmer	Color Temperature	Tint	Hue	Saturation
1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40
9	41	42	43	44	45	10	46	47	48	49	50

Mode Profile 31: HSIC + Output 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 6 Dimmer 2 above 0; CH 11 Dimmer 3 above 0; CH 16 Dimmer 4 above 0; CH 21 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 6 Dimmer 2 255, CH 11 Dimmer 3 255, CH 16 Dimmer 4 255, CH 21 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Hue 1	0–255	
5	Saturation 1	0–255	
6	Dimmer 2	0–255	
7	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
8	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
9	Hue 2	0–255	
10	Saturation 2	0–255	
11	Dimmer 3	0–255	
12	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)

13	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
14	Hue 3	0–255	
15	Saturation 3	0–255	
16	Dimmer 4	0–255	
17	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
18	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
19	Hue 4	0–255	
20	Saturation 4	0–255	
21	Dimmer 5	0–255	
CH	**Function**	**DMX**	**Description**
22	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
23	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
24	Hue 5	0–255	
25	Saturation 5	0–255	
31	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 31: HSIC + Output 8 Bit - Pixel 2

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

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Hue 1	0–255	
5	Saturation 1	0–255	
6	Dimmer 2	0–255	
7	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
8	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
9	Hue 2	0–255	
10	Saturation 2	0–255	
11	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 31: HSIC + Output 8 Bit - Pixel 1

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	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
3	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
4	Hue	0–255	
5	Saturation	0–255	
6	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 32: HSIC + Output16 Bit - Pixel 20

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 same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
193	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–160: 20 cells of 8 channels each. Every cell works as cell 1 in the table above (CH 1–8); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Hue	Hue Fine	Saturation	Saturation Fine
1	1	2	3	4	5	6	7	8
2	9	10	11	12	13	14	15	16
3	17	18	19	20	21	22	23	24
4	25	26	27	28	29	30	31	32
5	33	34	35	36	37	38	39	40
6	41	42	43	44	45	46	47	48
7	49	50	51	52	53	54	55	56

8	57	58	59	60	61	62	63	64
9	65	66	67	68	69	70	71	72
10	73	74	75	76	77	78	79	80
11	81	82	83	84	85	86	87	88
12	89	90	91	92	93	94	95	96
13	97	98	99	100	101	102	103	104
14	105	106	107	108	109	110	111	112
15	113	114	115	116	117	118	119	120
16	121	122	123	124	125	126	127	128
17	129	130	131	132	133	134	135	136
18	137	138	139	140	141	142	143	144

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Hue	Hue Fine	Saturation	Saturation Fine
19	145	146	147	148	149	150	151	152
20	153	154	155	156	157	158	159	160

Mode Profile 32: HSIC + Output 16 Bit - Pixel 10

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 same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
97	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–80: 10 cells of 8 channels each. Every cell works as cell 1 in the table above (CH 1–8); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Hue	Hue Fine	Saturation	Saturation Fine
1	1	2	3	4	5	6	7	8
2	9	10	11	12	13	14	15	16

3	17	18	19	20	21	22	23	24
4	25	26	27	28	29	30	31	32
5	33	34	35	36	37	38	39	40
6	41	42	43	44	45	46	47	48
7	49	50	51	52	53	54	55	56
8	57	58	59	60	61	62	63	64
9	65	66	67	68	69	70	71	72
10	73	74	75	76	77	78	79	80

Mode Profile 32: HSIC + Output16 Bit - Pixel 5

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 1 above 0; CH 9 Dimmer 2 above 0; CH 17 Dimmer 3 above 0; CH 25 Dimmer 4 above 0; CH 33 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 9 Dimmer 2 255, CH 17 Dimmer 3 255, CH 25 Dimmer 4 255, CH 33 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
9	Dimmer 2	0–255	
10	Dimmer 2 Fine	0–255	Fine adjustment of CH 9
11	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
12	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Hue 2	0–255	
14	Hue 2 Fine	0–255	Fine adjustment of CH 13
15	Saturation 2	0–255	
16	Saturation 2 Fine	0–255	Fine adjustment of CH 15
17	Dimmer 3	0–255	
18	Dimmer 3 Fine	0–255	Fine adjustment of CH 17
19	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
20	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
21	Hue 3	0–255	
22	Hue 3 Fine	0–255	Fine adjustment of CH 21
23	Saturation 3	0–255	

24	Saturation 3 Fine	0–255	Fine adjustment of CH 23
25	Dimmer 4	0–255	
26	Dimmer 4 Fine	0–255	Fine adjustment of CH 25
27	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
28	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
29	Hue 4	0–255	
30	Hue 4 Fine	0–255	Fine adjustment of CH 29
31	Saturation 4	0–255	
32	Saturation 4 Fine	0–255	Fine adjustment of CH 31
33	Dimmer 5	0–255	
34	Dimmer 5 Fine	0–255	Fine adjustment of CH 33
CH	**Function**	**DMX**	**Description**
35	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
36	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
37	Hue 5	0–255	
38	Hue 5 Fine	0–255	Fine adjustment of CH 37
39	Saturation 5	0–255	
40	Saturation 5 Fine	0–255	Fine adjustment of CH 39
49	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 32: HSIC + Output16 Bit - Pixel 2

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 1 above 0; CH 9 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 9 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
9	Dimmer 2	0–255	
10	Dimmer 2 Fine	0–255	Fine adjustment of CH 9
11	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)

12	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Hue 2	0–255	
14	Hue 2 Fine	0–255	Fine adjustment of CH 13
15	Saturation 2	0–255	
16	Saturation 2 Fine	0–255	Fine adjustment of CH 15
17	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 32: HSIC + Output16 Bit - Pixel 1

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

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

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
4	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
5	Hue	0–255	
6	Hue Fine	0–255	Fine adjustment of CH 5
7	Saturation	0–255	
8	Saturation Fine	0–255	Fine adjustment of CH 7
9	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 33: HSI + Output 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Hue 1	0–255	
3	Saturation 1	0–255	
73	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–60: 20 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	Hue	Saturation	Cell	Dimmer	Hue	Saturation	Cell	Dimmer	Hue	Saturation
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36
13	37	38	39	14	40	41	42	15	43	44	45
16	46	47	48	17	49	50	51	18	52	53	54

19	55	56	57	20	58	59	60

Mode Profile 33: HSI + Output 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 12 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Hue 1	0–255	
3	Saturation 1	0–255	
37	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–36: 12 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	Hue	Saturation	Cell	Dimmer	Hue	Saturation	Cell	Dimmer	Hue	Saturation
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36

Mode Profile 33: HSI + Output 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0; CH 7 Dimmer 3 above 0; CH 10 Dimmer 4 above 0; CH 13 Dimmer 5 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Hue 1	0–255	
3	Saturation 1	0–255	
4	Dimmer 2	0–255	
5	Hue 2	0–255	
6	Saturation 2	0–255	
7	Dimmer 3	0–255	
8	Hue 3	0–255	
9	Saturation 3	0–255	
10	Dimmer 4	0–255	
11	Hue 4	0–255	
12	Saturation 4	0–255	
13	Dimmer 5	0–255	
14	Hue 5	0–255	
15	Saturation 5	0–255	
19	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 33: HSI + Output 8 Bit - Pixel 2

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Hue 1	0–255	
3	Saturation 1	0–255	
4	Dimmer 2	0–255	
5	Hue 2	0–255	
6	Saturation 2	0–255	
7	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 33: HSI + Output 8 Bit - Pixel 1

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0.

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Hue	0–255	
3	Saturation	0–255	
4	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 34: Crossfade w/ Green + Output 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1750K
		1–254	1750K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
73	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–60: 20 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Cell	Dimmer	Color Temperature	Tint	Cell	Dimmer	Color Temperature	Tint
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36
13	37	38	39	14	40	41	42	15	43	44	45

16	46	47	48	17	49	50	51	18	52	53	54
19	55	56	57	20	58	59	60				

Mode Profile 34: Crossfade w/ Green + Output 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 12 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1750K
		1–254	1750K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect

CH	Function	DMX	Description
3	Tint 1 (continued)	11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
37	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–36: 12 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Cell	Dimmer	Color Temperature	Tint	Cell	Dimmer	Color Temperature	Tint
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36

Mode Profile 34: Crossfade w/ Green + Output 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0; CH 7 Dimmer 3 above 0; CH 10 Dimmer 4 above 0; CH 13 Dimmer 5 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 4: Crossfade w/ Green 8 Bit - Pixel 5” (p. 25)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Dimmer 2	0–255	
5	Color Temperature 2		Same as CH 5 in the mode “Profile 4: Crossfade w/ Green 8 Bit - Pixel 5” (p. 25)
6	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
7	Dimmer 3	0–255	
8	Color Temperature 3		Same as CH 8 in the mode “Profile 4: Crossfade w/ Green 8 Bit - Pixel 5” (p. 25)
9	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
10	Dimmer 4	0–255	
11	Color Temperature 4		Same as CH 11 in the mode “Profile 4: Crossfade w/ Green 8 Bit - Pixel 5” (p. 25)
12	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Dimmer 5	0–255	
14	Color Temperature 5		Same as CH 14 in the mode “Profile 4: Crossfade w/ Green 8 Bit - Pixel 5” (p. 25)
15	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)

CH	Function	DMX	Description
19	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 34: Crossfade w/ Green + Output 8 Bit - Pixel 2

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 4 Dimmer 2 above 0.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 4: Crossfade w/ Green 8 Bit - Pixel 5” (p. 25)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Dimmer 2	0–255	
5	Color Temperature 2		Same as CH 5 in the mode “Profile 4: Crossfade w/ Green 8 Bit - Pixel 5” (p. 25)
6	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
7	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 34: Crossfade w/ Green + Output 8 Bit - Pixel 1

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0.

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature		Same as CH 2 in the mode “Profile 4: Crossfade w/ Green 8 Bit - Pixel 1” (p. 26)
3	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
4	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 35: Crossfade + Output 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
49	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–40: 20 cells of 2 channels each. Every cell works as cell 1 in the table above (CH 1–2); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature
1	1	2	2	3	4	3	5	6	4	7	8
5	9	10	6	11	12	7	13	14	8	15	16
9	17	18	10	19	20	11	21	22	12	23	24
13	25	26	14	27	28	15	29	30	16	31	32
17	33	34	18	35	36	19	37	38	20	39	40

Mode Profile 35: Crossfade + Output 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
25	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–20: 10 cells of 2 channels each. Every cell works as cell 1 in the table above (CH 1–2); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature	Cell	Dimmer	Color Temperature
1	1	2	2	3	4	3	5	6	4	7	8
5	9	10	6	11	12	7	13	14	8	15	16
9	17	18	10	19	20						

Mode Profile 35: Crossfade + Output 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 3 Dimmer 2 above 0; CH 5 Dimmer 3 above 0; CH 7 Dimmer 4 above 0; CH 9 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 3 Dimmer 2 255, CH 5 Dimmer 3 255, CH 7 Dimmer 4 255, CH 9 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Dimmer 2	0–255	
4	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
5	Dimmer 3	0–255	
6	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
7	Dimmer 4	0–255	
8	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
9	Dimmer 5	0–255	

CH	Function	DMX	Description
10	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 35: Crossfade + Output 8 Bit - Pixel 2

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

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Dimmer 2	0–255	
4	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
5	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 35: Crossfade + Output 8 Bit - Pixel 1

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	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
3	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 36: CCT/RGB + Output 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green

4	Color Control 1	0	White Light
		1–254	White Light ... RGB Mixing

CH	Function	DMX	Description
4	Color Control 1 (continued)	255	RGB Mixing
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
169	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–140: 20 cells of 7 channels each. Every cell works as cell 1 in the table above (CH 1–7); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Color Control	Red	Green	Blue
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28
5	29	30	31	32	33	34	35
6	36	37	38	39	40	41	42
7	43	44	45	46	47	48	49
8	50	51	52	53	54	55	56
9	57	58	59	60	61	62	63
10	64	65	66	67	68	69	70
11	71	72	73	74	75	76	77
12	78	79	80	81	82	83	84
13	85	86	87	88	89	90	91
14	92	93	94	95	96	97	98
15	99	100	101	102	103	104	105
16	106	107	108	109	110	111	112
17	113	114	115	116	117	118	119
18	120	121	122	123	124	125	126
19	127	128	129	130	131	132	133
20	134	135	136	137	138	139	140

Mode Profile 36: CCT/RGB + Output 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect

		11–20	Full Minues Green
		21–119	-99% to -1%

CH	Function	DMX	Description
3	Tint 1 (continued)	120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Color Control 1	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
85	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–70: 10 cells of 7 channels each. Every cell works as cell 1 in the table above (CH 1–7); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Color Control	Red	Green	Blue
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28
5	29	30	31	32	33	34	35
6	36	37	38	39	40	41	42
7	43	44	45	46	47	48	49
8	50	51	52	53	54	55	56
9	57	58	59	60	61	62	63
10	64	65	66	67	68	69	70

Mode Profile 36: CCT/RGB + Output 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 8 Dimmer 2 above 0; CH 15 Dimmer 3 above 0; CH 22 Dimmer 4 above 0; CH 29 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 8 Dimmer 2 255, CH 15 Dimmer 3 255, CH 22 Dimmer 4 255, CH 29 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Color Control 1		Same as CH 4 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	

8	Dimmer 2	0–255	
9	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)

CH	Function	DMX	Description
10	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
11	Color Control 2		Same as CH 11 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
12	Red 2	0–255	
13	Green 2	0–255	
14	Blue 2	0–255	
15	Dimmer 3	0–255	
16	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
17	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
18	Color Control 3		Same as CH 18 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 31)
19	Red 3	0–255	
20	Green 3	0–255	
21	Blue 3	0–255	
22	Dimmer 4	0–255	
23	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
24	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
25	Color Control 4		Same as CH 25 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 31)
26	Red 4	0–255	
27	Green 4	0–255	
28	Blue 4	0–255	
29	Dimmer 5	0–255	
30	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
31	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
32	Color Control 5		Same as CH 32 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 31)
33	Red 5	0–255	
34	Green 5	0–255	
35	Blue 5	0–255	
43	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 36: CCT/RGB + Output 8 Bit - Pixel 2

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 8 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1

Dimmer 1 255, CH 8 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	

CH	Function	DMX	Description
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Color Control 1		Same as CH 4 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
8	Dimmer 2	0–255	
9	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
10	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
11	Color Control 2		Same as CH 11 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
12	Red 2	0–255	
13	Green 2	0–255	
14	Blue 2	0–255	
15	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 36: CCT/RGB + Output 8 Bit - Pixel 1

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	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
3	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
4	Color Control		Same as CH 4 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 1” (p. 32)
5	Red	0–255	
6	Green	0–255	
7	Blue	0–255	
8	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 37: CCT/RGB + Output 16 Bit - Pixel 20

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 same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH

1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
CH	**Function**	**DMX**	**Description**
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Color Control 1	0–255	White Light ... RGB Mixing
		255	RGB Mixing
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
217	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–180: 20 cells of 9 channels each. Every cell works as cell 1 in the table above (CH 1–9); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Color Control	Color Control Fine	Red	Green	Blue
1	1	2	3	4	5	6	7	8	9
2	10	11	12	13	14	15	16	17	18
3	19	20	21	22	23	24	25	26	27
4	28	29	30	31	32	33	34	35	36
5	37	38	39	40	41	42	43	44	45
6	46	47	48	49	50	51	52	53	54
7	55	56	57	58	59	60	61	62	63
8	64	65	66	67	68	69	70	71	72
9	73	74	75	76	77	78	79	80	81
10	82	83	84	85	86	87	88	89	90
11	91	92	93	94	95	96	97	98	99
12	100	101	102	103	104	105	106	107	108
13	109	110	111	112	113	114	115	116	117
14	118	119	120	121	122	123	124	125	126
15	127	128	129	130	131	132	133	134	135
16	136	137	138	139	140	141	142	143	144
17	145	146	147	148	149	150	151	152	153
18	154	155	156	157	158	159	160	161	162

19	163	164	165	166	167	168	169	170	171
20	172	173	174	175	176	177	178	179	180

Mode Profile 37: CCT/RGB + Output 16 Bit - Pixel 10

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 same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	

CH	Function	DMX	Description
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Color Control 1	0–255	White Light ... RGB Mixing
		255	RGB Mixing
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
109	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–90: 10 cells of 9 channels each. Every cell works as cell 1 in the table above (CH 1–9); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Color Control	Color Control Fine	Red	Green	Blue
1	1	2	3	4	5	6	7	8	9
2	10	11	12	13	14	15	16	17	18
3	19	20	21	22	23	24	25	26	27
4	28	29	30	31	32	33	34	35	36
5	37	38	39	40	41	42	43	44	45
6	46	47	48	49	50	51	52	53	54
7	55	56	57	58	59	60	61	62	63
8	64	65	66	67	68	69	70	71	72
9	73	74	75	76	77	78	79	80	81
10	82	83	84	85	86	87	88	89	90

Mode Profile 37: CCT/RGB + Output 16 Bit - Pixel 5

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 1 above 0; CH 10 Dimmer 2 above 0; CH 19 Dimmer 3 above 0; CH 28 Dimmer 4 above 0; CH 37 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 10 Dimmer 2 255, CH 19 Dimmer 3 255, CH 28 Dimmer 4 255, CH 37 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1

CH	Function	DMX	Description
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Color Control 1		Same as CH 5 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
10	Dimmer 2	0–255	
11	Dimmer 2 Fine	0–255	Fine adjustment of CH 10
12	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
14	Color Control 2		Same as CH 14 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
15	Color Control 2 Fine	0–255	Fine adjustment of CH 14
16	Red 2	0–255	
17	Green 2	0–255	
18	Blue 2	0–255	
19	Dimmer 3	0–255	
20	Dimmer 3 Fine	0–255	Fine adjustment of CH 19
21	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
22	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
23	Color Control 3		Same as CH 23 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
24	Color Control 3 Fine	0–255	Fine adjustment of CH 23
25	Red 3	0–255	
26	Green 3	0–255	
27	Blue 3	0–255	
28	Dimmer 4	0–255	
29	Dimmer 4 Fine	0–255	Fine adjustment of CH 28
30	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
31	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
32	Color Control 4		Same as CH 32 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 36)
33	Color Control 4 Fine	0–255	Fine adjustment of CH 32
34	Red 4	0–255	
35	Green 4	0–255	

CH	Function	DMX	Description
36	Blue 4	0–255	
37	Dimmer 5	0–255	
38	Dimmer 5 Fine	0–255	Fine adjustment of CH 37
39	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
40	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
41	Color Control 5		Same as CH 41 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 36)
42	Color Control 5 Fine	0–255	Fine adjustment of CH 41
43	Red 5	0–255	
44	Green 5	0–255	
45	Blue 5	0–255	
55	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 37: CCT/RGB + Output 16 Bit - Pixel 2

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 1 above 0; CH 10 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 10 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Color Control 1		Same as CH 5 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
10	Dimmer 2	0–255	
11	Dimmer 2 Fine	0–255	Fine adjustment of CH 10
12	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
14	Color Control 2		Same as CH 14 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
15	Color Control 2 Fine	0–255	Fine adjustment of CH 14
16	Red 2	0–255	
17	Green 2	0–255	

CH	Function	DMX	Description
18	Blue 2	0–255	
19	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 37: CCT/RGB + Output 16 Bit - Pixel 1

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

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

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
4	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
5	Color Control		Same as CH 5 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 1” (p. 37)
6	Color Control Fine	0–255	Fine adjustment of CH 5
7	Red	0–255	
8	Green	0–255	
9	Blue	0–255	
10	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 38: RGB + Output 8 Bit - Pixel 20

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
73	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–60: 20 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Red	Green	Blue	Cell	Red	Green	Blue	Cell	Red	Green	Blue
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36
13	37	38	39	14	40	41	42	15	43	44	45
16	46	47	48	17	49	50	51	18	52	53	54
19	55	56	57	20	58	59	60				

Mode Profile 38: RGB + Output 8 Bit - Pixel 10

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
37	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–36: 12 cells of 3 channels each. Every cell works as cell 1 in the table above (CH 1–3); the table below gives each cell's channel numbers.

Cell	Red	Green	Blue	Cell	Red	Green	Blue	Cell	Red	Green	Blue
1	1	2	3	2	4	5	6	3	7	8	9
4	10	11	12	5	13	14	15	6	16	17	18
7	19	20	21	8	22	23	24	9	25	26	27
10	28	29	30	11	31	32	33	12	34	35	36

Mode Profile 38: RGB + Output 8 Bit - Pixel 5

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
4	Red 2	0–255	
5	Green 2	0–255	
6	Blue 2	0–255	
7	Red 3	0–255	
8	Green 3	0–255	
9	Blue 3	0–255	
10	Red 4	0–255	
11	Green 4	0–255	
12	Blue 4	0–255	
13	Red 5	0–255	
14	Green 5	0–255	
15	Blue 5	0–255	
19	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 38: RGB + Output 8 Bit - Pixel 2

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

CH	Function	DMX	Description
7	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 38: RGB + Output 8 Bit - Pixel 1

CH	Function	DMX	Description
1	Red	0–255	
2	Green	0–255	
3	Blue	0–255	
4	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 39: HSIC + FX + Output 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Hue 1	0–255	
5	Saturation 1	0–255	
121	Effects		Same as CH 121 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 39)
122	Effects Speed	0–10	No Effect
		11–20	0% (Paused)
		21–119	1% to 99%
		120–145	100% Default
		146–244	101% to 199%
		245–255	200%
123	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
124	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–100: 20 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Hue	Saturation	Cell	Dimmer	Color Temperature	Tint	Hue	Saturation

1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40
9	41	42	43	44	45	10	46	47	48	49	50
11	51	52	53	54	55	12	56	57	58	59	60
13	61	62	63	64	65	14	66	67	68	69	70
15	71	72	73	74	75	16	76	77	78	79	80
17	81	82	83	84	85	18	86	87	88	89	90
19	91	92	93	94	95	20	96	97	98	99	100

Mode Profile 39: HSIC + FX + Output 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Hue 1	0–255	
5	Saturation 1	0–255	
61	Effects		Same as CH 121 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 39)
62	Effects Speed		Same as CH 122 in the mode “Profile 39: HSIC + FX + Output 8 Bit - Pixel 20” (p. 102)
63	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
64	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–50: 10 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Hue	Saturation	Cell	Dimmer	Color Temperature	Tint	Hue	Saturation
1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40

Cell	Dimmer	Color Temperature	Tint	Hue	Saturation	Cell	Dimmer	Color Temperature	Tint	Hue	Saturation
9	41	42	43	44	45	10	46	47	48	49	50

Mode Profile 39: HSIC + FX + Output 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 6 Dimmer 2 above 0; CH 11 Dimmer 3 above 0; CH 16 Dimmer 4 above 0; CH 21 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 6 Dimmer 2 255, CH 11 Dimmer 3 255, CH 16 Dimmer 4 255, CH 21 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Hue 1	0–255	
5	Saturation 1	0–255	
6	Dimmer 2	0–255	
7	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
8	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
9	Hue 2	0–255	
10	Saturation 2	0–255	
11	Dimmer 3	0–255	
12	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
14	Hue 3	0–255	
15	Saturation 3	0–255	
16	Dimmer 4	0–255	
17	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
18	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
19	Hue 4	0–255	
20	Saturation 4	0–255	
21	Dimmer 5	0–255	
22	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
23	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
24	Hue 5	0–255	
25	Saturation 5	0–255	
31	Effects		Same as CH 121 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 39)

CH	Function	DMX	Description
32	Effects Speed		Same as CH 122 in the mode “Profile 39: HSIC + FX + Output 8 Bit - Pixel 20” (p. 102)
33	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
34	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 39: HSIC + FX + Output 8 Bit - Pixel 2

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

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Hue 1	0–255	
5	Saturation 1	0–255	
6	Dimmer 2	0–255	
7	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
8	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
9	Hue 2	0–255	
10	Saturation 2	0–255	
11	Effects		Same as CH 121 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 39)
12	Effects Speed		Same as CH 122 in the mode “Profile 39: HSIC + FX + Output 8 Bit - Pixel 20” (p. 102)
13	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
14	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 39: HSIC + FX + Output 8 Bit - Pixel 1

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	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
3	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
4	Hue	0–255	
5	Saturation	0–255	

CH	Function	DMX	Description
6	Effects		Same as CH 121 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 39)
7	Effects Speed		Same as CH 122 in the mode “Profile 39: HSIC + FX + Output 8 Bit - Pixel 20” (p. 102)
8	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
9	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 40: HSIC + FX + Output 16 Bit - Pixel 20

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 same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
193	Effects	0–255	
194	Effects Speed	0–255	
195	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
196	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–160: 20 cells of 8 channels each. Every cell works as cell 1 in the table above (CH 1–8); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Hue	Hue Fine	Saturation	Saturation Fine
1	1	2	3	4	5	6	7	8
2	9	10	11	12	13	14	15	16
3	17	18	19	20	21	22	23	24
4	25	26	27	28	29	30	31	32

5	33	34	35	36	37	38	39	40
Cell	**Dimmer**	**Dimmer Fine**	**Color Temperature**	**Tint**	**Hue**	**Hue Fine**	**Saturation**	**Saturation Fine**
6	41	42	43	44	45	46	47	48
7	49	50	51	52	53	54	55	56
8	57	58	59	60	61	62	63	64
9	65	66	67	68	69	70	71	72
10	73	74	75	76	77	78	79	80
11	81	82	83	84	85	86	87	88
12	89	90	91	92	93	94	95	96
13	97	98	99	100	101	102	103	104
14	105	106	107	108	109	110	111	112
15	113	114	115	116	117	118	119	120
16	121	122	123	124	125	126	127	128
17	129	130	131	132	133	134	135	136
18	137	138	139	140	141	142	143	144
19	145	146	147	148	149	150	151	152
20	153	154	155	156	157	158	159	160

Mode Profile 40: HSIC + FX + Output 16 Bit - Pixel 10

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 same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
97	Effects	0–255	
98	Effects Speed	0–255	
99	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

100	Lamp Power Mode	Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–80: 10 cells of 8 channels each. Every cell works as cell 1 in the table above (CH 1–8); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Hue	Hue Fine	Saturation	Saturation Fine
1	1	2	3	4	5	6	7	8
2	9	10	11	12	13	14	15	16
3	17	18	19	20	21	22	23	24
4	25	26	27	28	29	30	31	32
5	33	34	35	36	37	38	39	40
6	41	42	43	44	45	46	47	48
7	49	50	51	52	53	54	55	56
8	57	58	59	60	61	62	63	64
9	65	66	67	68	69	70	71	72
10	73	74	75	76	77	78	79	80

Mode Profile 40: HSIC + FX + Output 16 Bit - Pixel 5

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 1 above 0; CH 9 Dimmer 2 above 0; CH 17 Dimmer 3 above 0; CH 25 Dimmer 4 above 0; CH 33 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 9 Dimmer 2 255, CH 17 Dimmer 3 255, CH 25 Dimmer 4 255, CH 33 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
9	Dimmer 2	0–255	
10	Dimmer 2 Fine	0–255	Fine adjustment of CH 9
11	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
12	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Hue 2	0–255	
14	Hue 2 Fine	0–255	Fine adjustment of CH 13
15	Saturation 2	0–255	
16	Saturation 2 Fine	0–255	Fine adjustment of CH 15
17	Dimmer 3	0–255	

18	Dimmer 3 Fine	0–255	Fine adjustment of CH 17

CH	Function	DMX	Description
19	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
20	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
21	Hue 3	0–255	
22	Hue 3 Fine	0–255	Fine adjustment of CH 21
23	Saturation 3	0–255	
24	Saturation 3 Fine	0–255	Fine adjustment of CH 23
25	Dimmer 4	0–255	
26	Dimmer 4 Fine	0–255	Fine adjustment of CH 25
27	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
28	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
29	Hue 4	0–255	
30	Hue 4 Fine	0–255	Fine adjustment of CH 29
31	Saturation 4	0–255	
32	Saturation 4 Fine	0–255	Fine adjustment of CH 31
33	Dimmer 5	0–255	
34	Dimmer 5 Fine	0–255	Fine adjustment of CH 33
35	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
36	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
37	Hue 5	0–255	
38	Hue 5 Fine	0–255	Fine adjustment of CH 37
39	Saturation 5	0–255	
40	Saturation 5 Fine	0–255	Fine adjustment of CH 39
49	Effects	0–255	
50	Effects Speed	0–255	
51	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
52	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 40: HSIC + FX + Output 16 Bit - Pixel 2

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 1 above 0; CH 9 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 9 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1

3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)

CH	Function	DMX	Description
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Hue 1	0–255	
6	Hue 1 Fine	0–255	Fine adjustment of CH 5
7	Saturation 1	0–255	
8	Saturation 1 Fine	0–255	Fine adjustment of CH 7
9	Dimmer 2	0–255	
10	Dimmer 2 Fine	0–255	Fine adjustment of CH 9
11	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
12	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Hue 2	0–255	
14	Hue 2 Fine	0–255	Fine adjustment of CH 13
15	Saturation 2	0–255	
16	Saturation 2 Fine	0–255	Fine adjustment of CH 15
17	Effects	0–255	
18	Effects Speed	0–255	
19	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
20	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 40: HSIC + FX + Output 16 Bit - Pixel 1

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

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

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
4	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
5	Hue	0–255	
6	Hue Fine	0–255	Fine adjustment of CH 5
7	Saturation	0–255	
8	Saturation Fine	0–255	Fine adjustment of CH 7
9	Effects	0–255	
10	Effects Speed	0–255	
11	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)

12	Lamp Power Mode	Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 41: CCT/RGB + FX + Output 8 Bit - Pixel 20

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Color Control 1	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
169	Effects	0–255	
170	Effects Speed	0–255	
171	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
172	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–140: 20 cells of 7 channels each. Every cell works as cell 1 in the table above (CH 1–7); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Color Control	Red	Green	Blue
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28
5	29	30	31	32	33	34	35
6	36	37	38	39	40	41	42
7	43	44	45	46	47	48	49
8	50	51	52	53	54	55	56
9	57	58	59	60	61	62	63
10	64	65	66	67	68	69	70
11	71	72	73	74	75	76	77

12	78	79	80	81	82	83	84

Cell	Dimmer	Color Temperature	Tint	Color Control	Red	Green	Blue
13	85	86	87	88	89	90	91
14	92	93	94	95	96	97	98
15	99	100	101	102	103	104	105
16	106	107	108	109	110	111	112
17	113	114	115	116	117	118	119
18	120	121	122	123	124	125	126
19	127	128	129	130	131	132	133
20	134	135	136	137	138	139	140

Mode Profile 41: CCT/RGB + FX + Output 8 Bit - Pixel 10

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer above 0 (the same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
3	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
4	Color Control 1	0	White Light
		1–254	White Light ... RGB Mixing
		255	RGB Mixing
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
85	Effects	0–255	
86	Effects Speed	0–255	
87	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
88	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–70: 10 cells of 7 channels each. Every cell works as cell 1 in the table above (CH 1–7); the table below gives each cell's channel numbers.

Cell	Dimmer	Color Temperature	Tint	Color Control	Red	Green	Blue
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14

3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28
5	29	30	31	32	33	34	35

Cell	Dimmer	Color Temperature	Tint	Color Control	Red	Green	Blue
6	36	37	38	39	40	41	42
7	43	44	45	46	47	48	49
8	50	51	52	53	54	55	56
9	57	58	59	60	61	62	63
10	64	65	66	67	68	69	70

Mode Profile 41: CCT/RGB + FX + Output 8 Bit - Pixel 5

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 8 Dimmer 2 above 0; CH 15 Dimmer 3 above 0; CH 22 Dimmer 4 above 0; CH 29 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 8 Dimmer 2 255, CH 15 Dimmer 3 255, CH 22 Dimmer 4 255, CH 29 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Color Control 1		Same as CH 4 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
8	Dimmer 2	0–255	
9	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
10	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
11	Color Control 2		Same as CH 11 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
12	Red 2	0–255	
13	Green 2	0–255	
14	Blue 2	0–255	
15	Dimmer 3	0–255	
16	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
17	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
18	Color Control 3		Same as CH 18 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 31)
19	Red 3	0–255	
20	Green 3	0–255	
21	Blue 3	0–255	

22	Dimmer 4	0–255	
23	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)

CH	Function	DMX	Description
24	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
25	Color Control 4		Same as CH 25 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 31)
26	Red 4	0–255	
27	Green 4	0–255	
28	Blue 4	0–255	
29	Dimmer 5	0–255	
30	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
31	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
32	Color Control 5		Same as CH 32 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 31)
33	Red 5	0–255	
34	Green 5	0–255	
35	Blue 5	0–255	
43	Effects	0–255	
44	Effects Speed	0–255	
45	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
46	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 41: CCT/RGB + FX + Output 8 Bit - Pixel 2

If the device receives DMX in this mode but gives no light, check these channels: CH 1 Dimmer 1 above 0; CH 8 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 8 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
3	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Color Control 1		Same as CH 4 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
5	Red 1	0–255	
6	Green 1	0–255	
7	Blue 1	0–255	
8	Dimmer 2	0–255	
9	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)

10	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
11	Color Control 2		Same as CH 11 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 5” (p. 30)
CH	**Function**	**DMX**	**Description**
12	Red 2	0–255	
13	Green 2	0–255	
14	Blue 2	0–255	
15	Effects	0–255	
16	Effects Speed	0–255	
17	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
18	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 41: CCT/RGB + FX + Output 8 Bit - Pixel 1

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	Function	DMX	Description
1	Dimmer	0–255	
2	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
3	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
4	Color Control		Same as CH 4 in the mode “Profile 6: CCT/RGB 8 Bit - Pixel 1” (p. 32)
5	Red	0–255	
6	Green	0–255	
7	Blue	0–255	
8	Effects	0–255	
9	Effects Speed	0–255	
10	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
11	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 42: CCT/RGB + FX + Output 16 Bit - Pixel 20

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 same in each of the 20 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 20 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K

		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
CH	**Function**	**DMX**	**Description**
4	Tint 1 (continued)	21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Color Control 1	0–255	White Light ... RGB Mixing
		255	RGB Mixing
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
217	Effects	0–255	
218	Effects Speed	0–255	
219	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
220	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–180: 20 cells of 9 channels each. Every cell works as cell 1 in the table above (CH 1–9); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Color Control	Color Control Fine	Red	Green	Blue
1	1	2	3	4	5	6	7	8	9
2	10	11	12	13	14	15	16	17	18
3	19	20	21	22	23	24	25	26	27
4	28	29	30	31	32	33	34	35	36
5	37	38	39	40	41	42	43	44	45
6	46	47	48	49	50	51	52	53	54
7	55	56	57	58	59	60	61	62	63
8	64	65	66	67	68	69	70	71	72
9	73	74	75	76	77	78	79	80	81
10	82	83	84	85	86	87	88	89	90
11	91	92	93	94	95	96	97	98	99
12	100	101	102	103	104	105	106	107	108
13	109	110	111	112	113	114	115	116	117
14	118	119	120	121	122	123	124	125	126
15	127	128	129	130	131	132	133	134	135
16	136	137	138	139	140	141	142	143	144
17	145	146	147	148	149	150	151	152	153
18	154	155	156	157	158	159	160	161	162
19	163	164	165	166	167	168	169	170	171
20	172	173	174	175	176	177	178	179	180

Mode Profile 42: CCT/RGB + FX + Output 16 Bit - Pixel 10

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 same in each of the 10 cells). The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 255 (the same in each of the 10 cells).

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1	0	1570K
		1–254	1570K ... 10000K
		255	10000K
4	Tint 1	0–10	No Effect
		11–20	Full Minues Green
		21–119	-99% to -1%
		120–145	Neutral
		146–244	1% to 99%
		245–255	Full Plus Green
5	Color Control 1	0–255	White Light ... RGB Mixing
		255	RGB Mixing
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
109	Effects	0–255	
110	Effects Speed	0–255	
111	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
112	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–90: 10 cells of 9 channels each. Every cell works as cell 1 in the table above (CH 1–9); the table below gives each cell's channel numbers.

Cell	Dimmer	Dimmer Fine	Color Temperature	Tint	Color Control	Color Control Fine	Red	Green	Blue
1	1	2	3	4	5	6	7	8	9
2	10	11	12	13	14	15	16	17	18
3	19	20	21	22	23	24	25	26	27
4	28	29	30	31	32	33	34	35	36
5	37	38	39	40	41	42	43	44	45
6	46	47	48	49	50	51	52	53	54
7	55	56	57	58	59	60	61	62	63
8	64	65	66	67	68	69	70	71	72
9	73	74	75	76	77	78	79	80	81
10	82	83	84	85	86	87	88	89	90

Mode Profile 42: CCT/RGB + FX + Output 16 Bit - Pixel 5

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 1 above 0; CH 10 Dimmer 2 above 0; CH 19 Dimmer 3 above 0; CH 28 Dimmer 4 above 0; CH 37 Dimmer 5 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 10 Dimmer 2 255, CH 19 Dimmer 3 255, CH 28 Dimmer 4 255, CH 37 Dimmer 5 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Color Control 1		Same as CH 5 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	
8	Green 1	0–255	
9	Blue 1	0–255	
10	Dimmer 2	0–255	
11	Dimmer 2 Fine	0–255	Fine adjustment of CH 10
12	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
14	Color Control 2		Same as CH 14 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
15	Color Control 2 Fine	0–255	Fine adjustment of CH 14
16	Red 2	0–255	
17	Green 2	0–255	
18	Blue 2	0–255	
19	Dimmer 3	0–255	
20	Dimmer 3 Fine	0–255	Fine adjustment of CH 19
21	Color Temperature 3		Same as CH 12 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
22	Tint 3		Same as CH 13 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
23	Color Control 3		Same as CH 23 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
24	Color Control 3 Fine	0–255	Fine adjustment of CH 23
25	Red 3	0–255	
26	Green 3	0–255	
27	Blue 3	0–255	
28	Dimmer 4	0–255	
29	Dimmer 4 Fine	0–255	Fine adjustment of CH 28

30	Color Temperature 4		Same as CH 17 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)

CH	Function	DMX	Description
31	Tint 4		Same as CH 18 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
32	Color Control 4		Same as CH 32 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 36)
33	Color Control 4 Fine	0–255	Fine adjustment of CH 32
34	Red 4	0–255	
35	Green 4	0–255	
36	Blue 4	0–255	
37	Dimmer 5	0–255	
38	Dimmer 5 Fine	0–255	Fine adjustment of CH 37
39	Color Temperature 5		Same as CH 22 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
40	Tint 5		Same as CH 23 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 16)
41	Color Control 5		Same as CH 41 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 36)
42	Color Control 5 Fine	0–255	Fine adjustment of CH 41
43	Red 5	0–255	
44	Green 5	0–255	
45	Blue 5	0–255	
55	Effects	0–255	
56	Effects Speed	0–255	
57	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
58	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 42: CCT/RGB + FX + Output 16 Bit - Pixel 2

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 1 above 0; CH 10 Dimmer 2 above 0. The GDTF file gives these values for a console's Highlight function: CH 1 Dimmer 1 255, CH 10 Dimmer 2 255.

CH	Function	DMX	Description
1	Dimmer 1	0–255	
2	Dimmer 1 Fine	0–255	Fine adjustment of CH 1
3	Color Temperature 1		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
4	Tint 1		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 14)
5	Color Control 1		Same as CH 5 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
6	Color Control 1 Fine	0–255	Fine adjustment of CH 5
7	Red 1	0–255	

8	Green 1	0–255	
9	Blue 1	0–255	

CH	Function	DMX	Description
10	Dimmer 2	0–255	
11	Dimmer 2 Fine	0–255	Fine adjustment of CH 10
12	Color Temperature 2		Same as CH 7 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)
13	Tint 2		Same as CH 8 in the mode “Profile 1: HSIC 8 Bit - Pixel 5” (p. 15)

CH	Function	DMX	Description
14	Color Control 2		Same as CH 14 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 5” (p. 35)
15	Color Control 2 Fine	0–255	Fine adjustment of CH 14
16	Red 2	0–255	
17	Green 2	0–255	
18	Blue 2	0–255	
19	Effects	0–255	
20	Effects Speed	0–255	
21	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
22	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 42: CCT/RGB + FX + Output 16 Bit - Pixel 1

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

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

CH	Function	DMX	Description
1	Dimmer	0–255	
2	Dimmer Fine	0–255	Fine adjustment of CH 1
3	Color Temperature		Same as CH 2 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 16)
4	Tint		Same as CH 3 in the mode “Profile 1: HSIC 8 Bit - Pixel 1” (p. 17)
5	Color Control		Same as CH 5 in the mode “Profile 7: CCT/RGB 16 Bit - Pixel 1” (p. 37)
6	Color Control Fine	0–255	Fine adjustment of CH 5
7	Red	0–255	
8	Green	0–255	
9	Blue	0–255	
10	Effects	0–255	
11	Effects Speed	0–255	
12	Effects Sync		Same as CH 123 in the mode “Profile 9: HSIC + FX 8 Bit - Pixel 20” (p. 40)
13	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 43: RGBTD + Output 8 Bit - Pixel 20

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
4	Warm White 1	0–255	2000 k
5	Cool White 1	0–255	6000 k

CH	Function	DMX	Description
121	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–100: 20 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Red	Green	Blue	Warm White	Cool White	Cell	Red	Green	Blue	Warm White	Cool White
1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40
9	41	42	43	44	45	10	46	47	48	49	50
11	51	52	53	54	55	12	56	57	58	59	60
13	61	62	63	64	65	14	66	67	68	69	70
15	71	72	73	74	75	16	76	77	78	79	80
17	81	82	83	84	85	18	86	87	88	89	90
19	91	92	93	94	95	20	96	97	98	99	100

Mode Profile 43: RGBTD + Output 8 Bit - Pixel 10

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
4	Warm White 1	0–255	2000 k
5	Cool White 1	0–255	6000 k
61	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–50: 10 cells of 5 channels each. Every cell works as cell 1 in the table above (CH 1–5); the table below gives each cell's channel numbers.

Cell	Red	Green	Blue	Warm White	Cool White	Cell	Red	Green	Blue	Warm White	Cool White
1	1	2	3	4	5	2	6	7	8	9	10
3	11	12	13	14	15	4	16	17	18	19	20
5	21	22	23	24	25	6	26	27	28	29	30
7	31	32	33	34	35	8	36	37	38	39	40
9	41	42	43	44	45	10	46	47	48	49	50

Mode Profile 43: RGBTD + Output 8 Bit - Pixel 5

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
4	Warm White 1	0–255	2000 k
5	Cool White 1	0–255	6000 k

CH	Function	DMX	Description
6	Red 2	0–255	
7	Green 2	0–255	
8	Blue 2	0–255	
9	Warm White 2	0–255	2000 k
10	Cool White 2	0–255	6000 k
11	Red 3	0–255	
12	Green 3	0–255	
13	Blue 3	0–255	
14	Warm White 3	0–255	2000 k
15	Cool White 3	0–255	6000 k
16	Red 4	0–255	
17	Green 4	0–255	
18	Blue 4	0–255	
19	Warm White 4	0–255	2000 k
20	Cool White 4	0–255	6000 k
21	Red 5	0–255	
22	Green 5	0–255	
23	Blue 5	0–255	
24	Warm White 5	0–255	2000 k
25	Cool White 5	0–255	6000 k
31	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 43: RGBTD + Output 8 Bit - Pixel 2

CH	Function	DMX	Description
1	Red 1	0–255	
2	Green 1	0–255	
3	Blue 1	0–255	
4	Warm White 1	0–255	2000 k
5	Cool White 1	0–255	6000 k
6	Red 2	0–255	
7	Green 2	0–255	
8	Blue 2	0–255	
9	Warm White 2	0–255	2000 k
10	Cool White 2	0–255	6000 k
11	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 43: RGBTD + Output 8 Bit - Pixel 1

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

CH	Function	DMX	Description
4	Warm White	0–255	2000 k
5	Cool White	0–255	6000 k
6	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 44: RGBTD + Output 16 Bit - Pixel 20

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Warm White 1	0–255	2000 k
8	Warm White 1 Fine	0–255	Fine adjustment of CH 7
9	Cool White 1	0–255	6000 k
10	Cool White 1 Fine	0–255	Fine adjustment of CH 9
241	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–200: 20 cells of 10 channels each. Every cell works as cell 1 in the table above (CH 1–10); the table below gives each cell's channel numbers.

Cell	Red	Red Fine	Green	Green Fine	Blue	Blue Fine	Warm White	Warm White Fine	Cool White	Cool White Fine
1	1	2	3	4	5	6	7	8	9	10
2	11	12	13	14	15	16	17	18	19	20
3	21	22	23	24	25	26	27	28	29	30
4	31	32	33	34	35	36	37	38	39	40
5	41	42	43	44	45	46	47	48	49	50
6	51	52	53	54	55	56	57	58	59	60
7	61	62	63	64	65	66	67	68	69	70
8	71	72	73	74	75	76	77	78	79	80
9	81	82	83	84	85	86	87	88	89	90
10	91	92	93	94	95	96	97	98	99	100
11	101	102	103	104	105	106	107	108	109	110
12	111	112	113	114	115	116	117	118	119	120
13	121	122	123	124	125	126	127	128	129	130
14	131	132	133	134	135	136	137	138	139	140
15	141	142	143	144	145	146	147	148	149	150
16	151	152	153	154	155	156	157	158	159	160
17	161	162	163	164	165	166	167	168	169	170
18	171	172	173	174	175	176	177	178	179	180
19	181	182	183	184	185	186	187	188	189	190

Cell	Red	Red Fine	Green	Green Fine	Blue	Blue Fine	Warm White	Warm White Fine	Cool White	Cool White Fine
20	191	192	193	194	195	196	197	198	199	200

Mode Profile 44: RGBTD + Output 16 Bit - Pixel 10

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Warm White 1	0–255	2000 k
8	Warm White 1 Fine	0–255	Fine adjustment of CH 7
9	Cool White 1	0–255	6000 k
10	Cool White 1 Fine	0–255	Fine adjustment of CH 9
121	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–100: 10 cells of 10 channels each. Every cell works as cell 1 in the table above (CH 1–10); the table below gives each cell's channel numbers.

Cell	Red	Red Fine	Green	Green Fine	Blue	Blue Fine	Warm White	Warm White Fine	Cool White	Cool White Fine
1	1	2	3	4	5	6	7	8	9	10
2	11	12	13	14	15	16	17	18	19	20
3	21	22	23	24	25	26	27	28	29	30
4	31	32	33	34	35	36	37	38	39	40
5	41	42	43	44	45	46	47	48	49	50
6	51	52	53	54	55	56	57	58	59	60
7	61	62	63	64	65	66	67	68	69	70
8	71	72	73	74	75	76	77	78	79	80
9	81	82	83	84	85	86	87	88	89	90
10	91	92	93	94	95	96	97	98	99	100

Mode Profile 44: RGBTD + Output 16 Bit - Pixel 5

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Warm White 1	0–255	2000 k
8	Warm White 1 Fine	0–255	Fine adjustment of CH 7

9	Cool White 1	0–255	6000 k

CH	Function	DMX	Description
10	Cool White 1 Fine	0–255	Fine adjustment of CH 9
11	Red 2	0–255	
12	Red 2 Fine	0–255	Fine adjustment of CH 11
13	Green 2	0–255	
14	Green 2 Fine	0–255	Fine adjustment of CH 13
15	Blue 2	0–255	
16	Blue 2 Fine	0–255	Fine adjustment of CH 15
17	Warm White 2	0–255	2000 k
18	Warm White 2 Fine	0–255	Fine adjustment of CH 17
19	Cool White 2	0–255	6000 k
20	Cool White 2 Fine	0–255	Fine adjustment of CH 19
21	Red 3	0–255	
22	Red 3 Fine	0–255	Fine adjustment of CH 21
23	Green 3	0–255	
24	Green 3 Fine	0–255	Fine adjustment of CH 23
25	Blue 3	0–255	
26	Blue 3 Fine	0–255	Fine adjustment of CH 25
27	Warm White 3	0–255	2000 k
28	Warm White 3 Fine	0–255	Fine adjustment of CH 27
29	Cool White 3	0–255	6000 k
30	Cool White 3 Fine	0–255	Fine adjustment of CH 29
31	Red 4	0–255	
32	Red 4 Fine	0–255	Fine adjustment of CH 31
33	Green 4	0–255	
34	Green 4 Fine	0–255	Fine adjustment of CH 33
35	Blue 4	0–255	
36	Blue 4 Fine	0–255	Fine adjustment of CH 35
37	Warm White 4	0–255	2000 k
38	Warm White 4 Fine	0–255	Fine adjustment of CH 37
39	Cool White 4	0–255	6000 k
40	Cool White 4 Fine	0–255	Fine adjustment of CH 39
41	Red 5	0–255	
42	Red 5 Fine	0–255	Fine adjustment of CH 41
43	Green 5	0–255	
44	Green 5 Fine	0–255	Fine adjustment of CH 43
45	Blue 5	0–255	
46	Blue 5 Fine	0–255	Fine adjustment of CH 45
47	Warm White 5	0–255	2000 k
48	Warm White 5 Fine	0–255	Fine adjustment of CH 47
49	Cool White 5	0–255	6000 k
50	Cool White 5 Fine	0–255	Fine adjustment of CH 49

CH	Function	DMX	Description
61	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 44: RGBTD + Output 16 Bit - Pixel 2

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Warm White 1	0–255	2000 k
8	Warm White 1 Fine	0–255	Fine adjustment of CH 7
9	Cool White 1	0–255	6000 k
10	Cool White 1 Fine	0–255	Fine adjustment of CH 9
11	Red 2	0–255	
12	Red 2 Fine	0–255	Fine adjustment of CH 11
13	Green 2	0–255	
14	Green 2 Fine	0–255	Fine adjustment of CH 13
15	Blue 2	0–255	
16	Blue 2 Fine	0–255	Fine adjustment of CH 15
17	Warm White 2	0–255	2000 k
18	Warm White 2 Fine	0–255	Fine adjustment of CH 17
19	Cool White 2	0–255	6000 k
20	Cool White 2 Fine	0–255	Fine adjustment of CH 19
21	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 44: RGBTD + Output 16 Bit - Pixel 1

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

CH	Function	DMX	Description
1	Red	0–255	
2	Red Fine	0–255	Fine adjustment of CH 1
3	Green	0–255	
4	Green Fine	0–255	Fine adjustment of CH 3
5	Blue	0–255	
6	Blue Fine	0–255	Fine adjustment of CH 5
7	Warm White	0–255	2000 k
8	Warm White Fine	0–255	Fine adjustment of CH 7
9	Cool White	0–255	6000 k
10	Cool White Fine	0–255	Fine adjustment of CH 9

11	Lamp Power Mode	Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 45: RGB + Output 16 Bit - Pixel 20

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
145	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–120: 20 cells of 6 channels each. Every cell works as cell 1 in the table above (CH 1–6); the table below gives each cell's channel numbers.

Cell	Red	Red Fine	Green	Green Fine	Blue	Blue Fine
1	1	2	3	4	5	6
2	7	8	9	10	11	12
3	13	14	15	16	17	18
4	19	20	21	22	23	24
5	25	26	27	28	29	30
6	31	32	33	34	35	36
7	37	38	39	40	41	42
8	43	44	45	46	47	48
9	49	50	51	52	53	54
10	55	56	57	58	59	60
11	61	62	63	64	65	66
12	67	68	69	70	71	72
13	73	74	75	76	77	78
14	79	80	81	82	83	84
15	85	86	87	88	89	90
16	91	92	93	94	95	96
17	97	98	99	100	101	102
18	103	104	105	106	107	108
19	109	110	111	112	113	114
20	115	116	117	118	119	120

Mode Profile 45: RGB + Output 16 Bit - Pixel 10

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1

3	Green 1	0–255	

CH	Function	DMX	Description
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
73	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

CH 1–60: 10 cells of 6 channels each. Every cell works as cell 1 in the table above (CH 1–6); the table below gives each cell's channel numbers.

Cell	Red	Red Fine	Green	Green Fine	Blue	Blue Fine
1	1	2	3	4	5	6
2	7	8	9	10	11	12
3	13	14	15	16	17	18
4	19	20	21	22	23	24
5	25	26	27	28	29	30
6	31	32	33	34	35	36
7	37	38	39	40	41	42
8	43	44	45	46	47	48
9	49	50	51	52	53	54
10	55	56	57	58	59	60

Mode Profile 45: RGB + Output 16 Bit - Pixel 5

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Red 2	0–255	
8	Red 2 Fine	0–255	Fine adjustment of CH 7
9	Green 2	0–255	
10	Green 2 Fine	0–255	Fine adjustment of CH 9
11	Blue 2	0–255	
12	Blue 2 Fine	0–255	Fine adjustment of CH 11
13	Red 3	0–255	
14	Red 3 Fine	0–255	Fine adjustment of CH 13
15	Green 3	0–255	
16	Green 3 Fine	0–255	Fine adjustment of CH 15
17	Blue 3	0–255	
18	Blue 3 Fine	0–255	Fine adjustment of CH 17
19	Red 4	0–255	

20	Red 4 Fine	0–255	Fine adjustment of CH 19
21	Green 4	0–255	

CH	Function	DMX	Description
22	Green 4 Fine	0–255	Fine adjustment of CH 21
23	Blue 4	0–255	
24	Blue 4 Fine	0–255	Fine adjustment of CH 23
25	Red 5	0–255	
26	Red 5 Fine	0–255	Fine adjustment of CH 25

CH	Function	DMX	Description
27	Green 5	0–255	
28	Green 5 Fine	0–255	Fine adjustment of CH 27
29	Blue 5	0–255	
30	Blue 5 Fine	0–255	Fine adjustment of CH 29
37	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 45: RGB + Output 16 Bit - Pixel 2

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

CH	Function	DMX	Description
1	Red 1	0–255	
2	Red 1 Fine	0–255	Fine adjustment of CH 1
3	Green 1	0–255	
4	Green 1 Fine	0–255	Fine adjustment of CH 3
5	Blue 1	0–255	
6	Blue 1 Fine	0–255	Fine adjustment of CH 5
7	Red 2	0–255	
8	Red 2 Fine	0–255	Fine adjustment of CH 7
9	Green 2	0–255	
10	Green 2 Fine	0–255	Fine adjustment of CH 9
11	Blue 2	0–255	
12	Blue 2 Fine	0–255	Fine adjustment of CH 11
13	Lamp Power Mode		Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

Mode Profile 45: RGB + Output 16 Bit - Pixel 1

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

CH	Function	DMX	Description
1	Red	0–255	
2	Red Fine	0–255	Fine adjustment of CH 1
3	Green	0–255	
4	Green Fine	0–255	Fine adjustment of CH 3
5	Blue	0–255	
6	Blue Fine	0–255	Fine adjustment of CH 5

7	Lamp Power Mode	Same as CH 121 in the mode “Profile 31: HSIC + Output 8 Bit - Pixel 20” (p. 77)

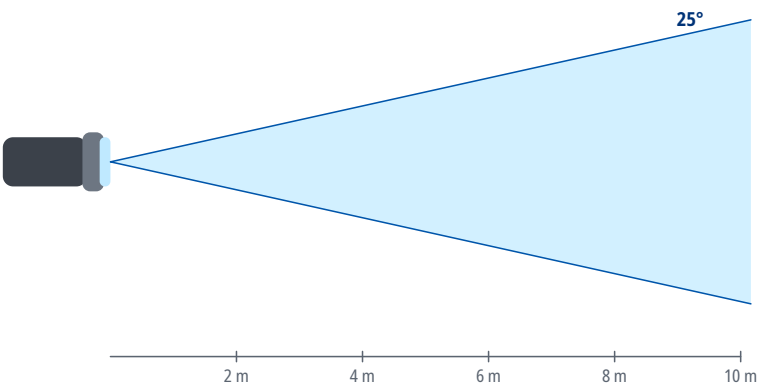
10 Technical specifications

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

Speeds and ranges

Parameter	Value
Color temperature range	1575–10000 K

Spot diameter



Distance	Ø 25°
2 m	0.89 m
4 m	1.8 m
6 m	2.7 m
8 m	3.5 m
10 m	4.4 m
15 m	6.7 m

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

11 Maintenance and cleaning

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

12 Troubleshooting

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

Problem	Remedy
Devices respond to the wrong channels or affect each other	Check that the addresses do not overlap and that the DMX mode on the devices matches the patch in the controller.
The device or the connected load does not light up although it receives DMX	Check the values of the dimmer, shutter and strobe channels against the DMX channel table. For the DMX modes for which the sources state it, the chapter DMX channels gives under the mode's heading which channels must be open.

13 Disposal

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

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

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

Recycle the packaging materials according to their type.