

COLORADO PXL CURVE 5

DMX Chart



TABLE OF CONTENTS

DMX Chart	1
Control Chart	1
Strobe Chart	1
Color Macro Chart	1
Cells Macro Chart	2
Advanced	3
Standard	12
Basic High Resolution	17
Basic Raw	21
Basic	25
Contact Us	29

Control Chart

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 009	No function	075 ⇔ 084	No function	160 ⇔ 164	S-Curve dimmer curve
010 ⇔ 014	Blackout on Pan/Tilt	085 ⇔ 089	Pan reverse	165 ⇔ 169	White mode
015 ⇔ 019	Reserved for future use	090 ⇔ 094	Tilt reverse	170 ⇔ 174	Full mode
020 ⇔ 024	RGBW (additive) color mix	095 ⇔ 099	Pan normal	175 ⇔ 179	PWM 600 Hz
025 ⇔ 029	CMY (subtractive) color mix	100 ⇔ 104	Tilt normal	180 ⇔ 184	PWM 1200 Hz
030 ⇔ 039	No function	105 ⇔ 109	Reserved for future use	185 ⇔ 189	PWM 2000 Hz
040 ⇔ 044	Preset color HTP on	110 ⇔ 119	No function	190 ⇔ 194	PWM 4000 Hz
045 ⇔ 049	Preset color HTP off	120 ⇔ 134	Reserved for future use	195 ⇔ 199	PWM 6000 Hz
050 ⇔ 054	Pan reset	135 ⇔ 139	Fast dimmer	200 ⇔ 204	PWM 15 kHz
055 ⇔ 059	Tilt reset	140 ⇔ 144	Smooth dimmer	205 ⇔ 239	Reserved for future use
060 ⇔ 064	Zoom Reset	145 ⇔ 149	Linear dimmer curve	240 ⇔ 244	Fast Pan/Tilt
065 ⇔ 066	Zoom reset theater mode on	150 ⇔ 154	Square dimmer curve	245 ⇔ 249	Smooth Pan/Tilt
67 ⇔ 069	Zoom reset theater mode off	155 ⇔ 159	I-Square dimmer curve	250 ⇔ 255	Reserved for future use
070 ⇔ 74	Reset all				

Strobe Chart

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 019	Off	110 ⇔ 124	Random strobe*	185 ⇔ 189	On
020 ⇔ 024	On	125 ⇔ 129	On	190 ⇔ 204	Random pulse strobe*
025 ⇔ 064	Strobe*	130 ⇔ 144	Random strobe 100–0%*	205 ⇔ 209	On
065 ⇔ 069	On	145 ⇔ 149	On	210 ⇔ 224	Strobe 0–100–0%*
070 ⇔ 084	Strobe 100–0%*	150 ⇔ 164	Random strobe 0–100%*	225 ⇔ 229	On
085 ⇔ 089	On	165 ⇔ 169	On	230 ⇔ 244	Pulse strobe*
090 ⇔ 104	Strobe 0–100%*	170 ⇔ 184	Pulse strobe	245 ⇔ 255	On
105 ⇔ 109	On				

*All strobe value ranges go from fast to slow

Color Macro Chart

Value	Setting	Red	Green	Blue	White	Value	Setting	Red	Green	Blue	White
000	No function	–	–	–	–	087	Green	000	255	000	000
001 ⇔ 002	3200K	243	211	000	055	088 ⇔ 124	Green to yellow	+	255	000	000
003 ⇔ 004	4000K	177	177	000	100	125	Yellow	255	255	000	000
005 ⇔ 006	2700K	255	175	000	050	126 ⇔ 162	Yellow to red	255	–	000	000
007 ⇔ 008	4200K	251	255	008	145	163	Red	255	000	000	000
009 ⇔ 010	5600K	109	146	000	210	164 ⇔ 201	Red to magenta	255	000	+	000
011 ⇔ 012	6500K	106	157	012	211	202	Magenta	255	000	255	000
013 ⇔ 014	7500K	066	127	011	255	203 ⇔ 238	Magenta to blue	–	000	255	000
015 ⇔ 048	Blue to cyan	000	+	255	000	239	Blue	000	000	255	000
049	Cyan	000	255	255	000	240 ⇔ 247	Color fade, fast to slow				
050 ⇔ 086	Cyan to green	000	255	–	000	248 ⇔ 255	Color snap, fast to slow				

V1.0

Cells Macro Chart

Value	Setting	Value	Setting
000 ⇔ 015	No function	136 ⇔ 137	Macro 36
016 ⇔ 017	Macro 1	138 ⇔ 139	Macro 37
018 ⇔ 019	Macro 2	140 ⇔ 141	Macro 38
020 ⇔ 021	Macro 3	142 ⇔ 143	Macro 39
022 ⇔ 023	Macro 4	144 ⇔ 145	Macro 40
024 ⇔ 025	Macro 5	146 ⇔ 147	Macro 41
026 ⇔ 027	Macro 6	148 ⇔ 149	Macro 42
028 ⇔ 029	Macro 7	150 ⇔ 151	Macro 43
030 ⇔ 031	Macro 8	152 ⇔ 153	Macro 44
032 ⇔ 033	Macro 9	154 ⇔ 155	Macro 45
034 ⇔ 035	Macro 10	156 ⇔ 157	Macro 46
036 ⇔ 037	Macro 11	158 ⇔ 159	Macro 47
038 ⇔ 039	Macro 12	160 ⇔ 161	Macro 48
040 ⇔ 041	Macro 13	162 ⇔ 163	Macro 49
042 ⇔ 043	Macro 14	164 ⇔ 165	Macro 50
044 ⇔ 045	Macro 15	166 ⇔ 167	Macro 51
046 ⇔ 047	Macro 16	168 ⇔ 169	Macro 52
048 ⇔ 049	Macro 17	170 ⇔ 171	Macro 53
050 ⇔ 051	Macro 18	172 ⇔ 173	Macro 54
052 ⇔ 053	Macro 19	174 ⇔ 175	Macro 55
054 ⇔ 055	Macro 20	176 ⇔ 177	Macro 56
056 ⇔ 057	Macro 21	178 ⇔ 179	Macro 57
058 ⇔ 059	Macro 22	180 ⇔ 181	Macro 58
060 ⇔ 061	Macro 23	182 ⇔ 183	Macro 59
062 ⇔ 063	Macro 24	184 ⇔ 185	Macro 60
064 ⇔ 065	Macro 25	186 ⇔ 187	Macro 61
066 ⇔ 067	Macro 26	188 ⇔ 189	Macro 62
068 ⇔ 069	Macro 27	190 ⇔ 191	Macro 63
070 ⇔ 071	Macro 28	192 ⇔ 193	Macro 64
072 ⇔ 073	Macro 29	194 ⇔ 195	Macro 65
074 ⇔ 075	Macro 30	196 ⇔ 197	Macro 66
076 ⇔ 077	Macro 31	198 ⇔ 199	Macro 67
078 ⇔ 079	Macro 32	200 ⇔ 201	Macro 68
080 ⇔ 081	Macro 33	202 ⇔ 203	Macro 69
082 ⇔ 083	Macro 34	204 ⇔ 255	Macro 70 (main macro)
084 ⇔ 135	Macro 35 (main macro)		

Advanced

Channel	Function	Value	Percent/Setting
1	Head 1 Pan	000 ⇔ 255	0–100%
2	Head 1 Fine pan	000 ⇔ 255	16-bit 0–100%
3	Head 1 Tilt	000 ⇔ 255	0–100%
4	Head 1 Fine tilt	000 ⇔ 255	16-bit 0–100%
5	Head 1 Pan/Tilt speed	000 ⇔ 255	Fast to slow
6	Control	000 ⇔ 255	See the Control Chart
7	Head 1 center dimmer	000 ⇔ 255	0–100%
8	Head 1 center fine dimmer	000 ⇔ 255	16-bit 0–100%
9	Head 1 center red	000 ⇔ 255	0–100%
10	Head 1 center fine red	000 ⇔ 255	16-bit 0–100%
11	Head 1 center green	000 ⇔ 255	0–100%
12	Head 1 center fine green	000 ⇔ 255	16-bit 0–100%
13	Head 1 center blue	000 ⇔ 255	0–100%
14	Head 1 center fine blue	000 ⇔ 255	16-bit 0–100%
15	Head 1 center white	000 ⇔ 255	0–100%
16	Head 1 center fine white	000 ⇔ 255	16-bit 0–100%
17	Head 1 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
18	Head 1 zoom	000 ⇔ 255	0–100%
19	Head 1 fine zoom	000 ⇔ 255	16-bit 0–100%
20	Head 1 center strobe	000 ⇔ 255	See the Strobe Chart
21	Head 1 center color macro	000 ⇔ 255	See the Color Macro Chart
22	Head 1 CW cell 1 dimmer	000 ⇔ 255	0–100%
23	Head 1 CW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
24	Head 1 WW cell 1 dimmer	000 ⇔ 255	0–100%
25	Head 1 WW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
26	Head 1 CW/WW cell 1 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
27	Head 1 CW cell 2 dimmer	000 ⇔ 255	0–100%
28	Head 1 CW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
29	Head 1 WW cell 2 dimmer	000 ⇔ 255	0–100%
30	Head 1 WW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
31	Head 1 CW/WW cell 2 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
32	Head 1 CW cell 3 dimmer	000 ⇔ 255	0–100%
33	Head 1 CW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
34	Head 1 WW cell 3 dimmer	000 ⇔ 255	0–100%
35	Head 1 WW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
36	Head 1 CW/WW cell 3 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
37	Head 1 CW cell 4 dimmer	000 ⇔ 255	0–100%
38	Head 1 CW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
39	Head 1 WW cell 4 dimmer	000 ⇔ 255	0–100%
40	Head 1 WW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
41	Head 1 CW/WW cell 4 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
42	Head 1 CW cell 5 dimmer	000 ⇔ 255	0–100%

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
43	Head 1 CW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
44	Head 1 WW cell 5 dimmer	000 ⇔ 255	0–100%
45	Head 1 WW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
46	Head 1 CW/WW cell 5 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
47	Head 1 CW cell 6 dimmer	000 ⇔ 255	0–100%
48	Head 1 CW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
49	Head 1 WW cell 6 dimmer	000 ⇔ 255	0–100%
50	Head 1 WW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
51	Head 1 CW/WW cell 6 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
52	Head 1 CW cell 7 dimmer	000 ⇔ 255	0–100%
53	Head 1 CW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
54	Head 1 WW cell 7 dimmer	000 ⇔ 255	0–100%
55	Head 1 WW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
56	Head 1 CW/WW cell 7 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
57	Head 1 CW cell 8 dimmer	000 ⇔ 255	0–100%
58	Head 1 CW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
59	Head 1 WW cell 8 dimmer	000 ⇔ 255	0–100%
60	Head 1 WW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
61	Head 1 CW/WW cell 8 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
62	Head 1 CW cells strobe	000 ⇔ 255	See the Strobe Chart
63	Head 1 CW cells pattern	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 Pattern 216
64	Head 1 CW cells macro	000 ⇔ 255	See the Cells Macro Chart
65	Head 1 CW cells macro speed	000 ⇔ 127 128 129 ⇔ 255	Fast to slow Stop Slow to fast
66	Head 1 CW cells macro delay	000 ⇔ 255	Fast to slow
67	Head 1 WW cells strobe	000 ⇔ 255	See the Strobe Chart
68	Head 1 WW cells pattern	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 Pattern 216
69	Head 1 WW cells macro	000 ⇔ 255	See the Cells Macro Chart
70	Head 1 WW cells macro speed	000 ⇔ 127 128 129 ⇔ 255	Fast to slow Stop Slow to fast
71	Head 1 WW cells macro delay	000 ⇔ 255	Fast to slow
72	Head 2 Pan	000 ⇔ 255	0–100%
73	Head 2 Fine pan	000 ⇔ 255	16-bit 0–100%
74	Head 2 Tilt	000 ⇔ 255	0–100%
75	Head 2 Fine tilt	000 ⇔ 255	16-bit 0–100%
76	Head 2 Pan/Tilt speed	000 ⇔ 255	Fast to slow
77	Reserved	000 ⇔ 255	Reserved for future use
78	Head 2 center dimmer	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
79	Head 2 center fine dimmer	000 ⇔ 255	16-bit 0–100%
80	Head 2 center red	000 ⇔ 255	0–100%
81	Head 2 center fine red	000 ⇔ 255	16-bit 0–100%
82	Head 2 center green	000 ⇔ 255	0–100%
83	Head 2 center fine green	000 ⇔ 255	16-bit 0–100%
84	Head 2 center blue	000 ⇔ 255	0–100%
85	Head 2 center fine blue	000 ⇔ 255	16-bit 0–100%
86	Head 2 center white	000 ⇔ 255	0–100%
87	Head 2 center fine white	000 ⇔ 255	16-bit 0–100%
88	Head 2 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
89	Head 2 zoom	000 ⇔ 255	0–100%
90	Head 2 fine zoom	000 ⇔ 255	16-bit 0–100%
91	Head 2 center strobe	000 ⇔ 255	See the Strobe Chart
92	Head 2 center color macro	000 ⇔ 255	See the Color Macro Chart
93	Head 2 CW cell 1 dimmer	000 ⇔ 255	0–100%
94	Head 2 CW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
95	Head 2 WW cell 1 dimmer	000 ⇔ 255	0–100%
96	Head 2 WW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
97	Head 2 CW/WW cell 1 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
98	Head 2 CW cell 2 dimmer	000 ⇔ 255	0–100%
99	Head 2 CW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
100	Head 2 WW cell 2 dimmer	000 ⇔ 255	0–100%
101	Head 2 WW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
102	Head 2 CW/WW cell 2 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
103	Head 2 CW cell 3 dimmer	000 ⇔ 255	0–100%
104	Head 2 CW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
105	Head 2 WW cell 3 dimmer	000 ⇔ 255	0–100%
106	Head 2 WW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
107	Head 2 CW/WW cell 3 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
108	Head 2 CW cell 4 dimmer	000 ⇔ 255	0–100%
109	Head 2 CW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
110	Head 2 WW cell 4 dimmer	000 ⇔ 255	0–100%
111	Head 2 WW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
112	Head 2 CW/WW cell 4 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
113	Head 2 CW cell 5 dimmer	000 ⇔ 255	0–100%
114	Head 2 CW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
115	Head 2 WW cell 5 dimmer	000 ⇔ 255	0–100%
116	Head 2 WW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
117	Head 2 CW/WW cell 5 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
118	Head 2 CW cell 6 dimmer	000 ⇔ 255	0–100%
119	Head 2 CW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
120	Head 2 WW cell 6 dimmer	000 ⇔ 255	0–100%

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
121	Head 2 WW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
122	Head 2 CW/WW cell 6 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
123	Head 2 CW cell 7 dimmer	000 ⇔ 255	0–100%
124	Head 2 CW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
125	Head 2 WW cell 7 dimmer	000 ⇔ 255	0–100%
126	Head 2 WW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
127	Head 2 CW/WW cell 7 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
128	Head 2 CW cell 8 dimmer	000 ⇔ 255	0–100%
129	Head 2 CW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
130	Head 2 WW cell 8 dimmer	000 ⇔ 255	0–100%
131	Head 2 WW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
132	Head 2 CW/WW cell 8 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
133	Head 2 CW cells strobe	000 ⇔ 255	See the Strobe Chart
134	Head 2 CW cells pattern	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 Pattern 216
135	Head 2 CW cells macro	000 ⇔ 255	See the Cells Macro Chart
136	Head 2 CW cells macro speed	000 ⇔ 127 128 129 ⇔ 255	Fast to slow Stop Slow to fast
137	Head 2 CW cells macro delay	000 ⇔ 255	Fast to slow
138	Head 2 WW cells strobe	000 ⇔ 255	See the Strobe Chart
139	Head 2 WW cells pattern	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 Pattern 216
140	Head 2 WW cells macro	000 ⇔ 255	See the Cells Macro Chart
141	Head 2 WW cells macro speed	000 ⇔ 127 128 129 ⇔ 255	Fast to slow Stop Slow to fast
142	Head 2 WW cells macro delay	000 ⇔ 255	Fast to slow
143	Head 3 Pan	000 ⇔ 255	0–100%
144	Head 3 Fine pan	000 ⇔ 255	16-bit 0–100%
145	Head 3 Tilt	000 ⇔ 255	0–100%
146	Head 3 Fine tilt	000 ⇔ 255	16-bit 0–100%
147	Head 3 Pan/Tilt speed	000 ⇔ 255	Fast to slow
148	Reserved	000 ⇔ 255	Reserved for future use
149	Head 3 center dimmer	000 ⇔ 255	0–100%
150	Head 3 center fine dimmer	000 ⇔ 255	16-bit 0–100%
151	Head 3 center red	000 ⇔ 255	0–100%
152	Head 3 center fine red	000 ⇔ 255	16-bit 0–100%
153	Head 3 center green	000 ⇔ 255	0–100%
154	Head 3 center fine green	000 ⇔ 255	16-bit 0–100%
155	Head 3 center blue	000 ⇔ 255	0–100%
156	Head 3 center fine blue	000 ⇔ 255	16-bit 0–100%
157	Head 3 center white	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
158	Head 3 center fine white	000 ⇔ 255	16-bit 0–100%
159	Head 3 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
160	Head 3 zoom	000 ⇔ 255	0–100%
161	Head 3 fine zoom	000 ⇔ 255	16-bit 0–100%
162	Head 3 center strobe	000 ⇔ 255	See the Strobe Chart
163	Head 3 center color macro	000 ⇔ 255	See the Color Macro Chart
164	Head 3 CW cell 1 dimmer	000 ⇔ 255	0–100%
165	Head 3 CW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
166	Head 3 WW cell 1 dimmer	000 ⇔ 255	0–100%
167	Head 3 WW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
168	Head 3 CW/WW cell 1 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
169	Head 3 CW cell 2 dimmer	000 ⇔ 255	0–100%
170	Head 3 CW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
171	Head 3 WW cell 2 dimmer	000 ⇔ 255	0–100%
172	Head 3 WW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
173	Head 3 CW/WW cell 2 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
174	Head 3 CW cell 3 dimmer	000 ⇔ 255	0–100%
175	Head 3 CW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
176	Head 3 WW cell 3 dimmer	000 ⇔ 255	0–100%
177	Head 3 WW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
178	Head 3 CW/WW cell 3 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
179	Head 3 CW cell 4 dimmer	000 ⇔ 255	0–100%
180	Head 3 CW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
181	Head 3 WW cell 4 dimmer	000 ⇔ 255	0–100%
182	Head 3 WW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
183	Head 3 CW/WW cell 4 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
184	Head 3 CW cell 5 dimmer	000 ⇔ 255	0–100%
185	Head 3 CW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
186	Head 3 WW cell 5 dimmer	000 ⇔ 255	0–100%
187	Head 3 WW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
188	Head 3 CW/WW cell 5 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
189	Head 3 CW cell 6 dimmer	000 ⇔ 255	0–100%
190	Head 3 CW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
191	Head 3 WW cell 6 dimmer	000 ⇔ 255	0–100%
192	Head 3 WW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
193	Head 3 CW/WW cell 6 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
194	Head 3 CW cell 7 dimmer	000 ⇔ 255	0–100%
195	Head 3 CW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
196	Head 3 WW cell 7 dimmer	000 ⇔ 255	0–100%
197	Head 3 WW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%

DMX CHART

V1.0



Channel	Function	Value	Percent/Setting
198	Head 3 CW/WW cell 7 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
199	Head 3 CW cell 8 dimmer	000 ⇔ 255	0–100%
200	Head 3 CW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
201	Head 3 WW cell 8 dimmer	000 ⇔ 255	0–100%
202	Head 3 WW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
203	Head 3 CW/WW cell 8 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
204	Head 3 CW cells strobe	000 ⇔ 255	See the Strobe Chart
205	Head 3 CW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
206	Head 3 CW cells macro	000 ⇔ 255	See the Cells Macro Chart
207	Head 3 CW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
208	Head 3 CW cells macro delay	000 ⇔ 255	Fast to slow
209	Head 3 WW cells strobe	000 ⇔ 255	See the Strobe Chart
210	Head 3 WW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
211	Head 3 WW cells macro	000 ⇔ 255	See the Cells Macro Chart
212	Head 3 WW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
213	Head 3 WW cells macro delay	000 ⇔ 255	Fast to slow
214	Head 4 Pan	000 ⇔ 255	0–100%
215	Head 4 Fine pan	000 ⇔ 255	16-bit 0–100%
216	Head 4 Tilt	000 ⇔ 255	0–100%
217	Head 4 Fine tilt	000 ⇔ 255	16-bit 0–100%
218	Head 4 Pan/Tilt speed	000 ⇔ 255	Fast to slow
219	Reserved	000 ⇔ 255	Reserved for future use
220	Head 4 center dimmer	000 ⇔ 255	0–100%
221	Head 4 center fine dimmer	000 ⇔ 255	16-bit 0–100%
222	Head 4 center red	000 ⇔ 255	0–100%
223	Head 4 center fine red	000 ⇔ 255	16-bit 0–100%
224	Head 4 center green	000 ⇔ 255	0–100%
225	Head 4 center fine green	000 ⇔ 255	16-bit 0–100%
226	Head 4 center blue	000 ⇔ 255	0–100%
227	Head 4 center fine blue	000 ⇔ 255	16-bit 0–100%
228	Head 4 center white	000 ⇔ 255	0–100%
229	Head 4 center fine white	000 ⇔ 255	16-bit 0–100%
230	Head 4 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
231	Head 4 zoom	000 ⇔ 255	0–100%
232	Head 4 fine zoom	000 ⇔ 255	16-bit 0–100%
233	Head 4 center strobe	000 ⇔ 255	See the Strobe Chart
234	Head 4 center color macro	000 ⇔ 255	See the Color Macro Chart

Channel	Function	Value	Percent/Setting
235	Head 4 CW cell 1 dimmer	000 ⇔ 255	0–100%
236	Head 4 CW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
237	Head 4 WW cell 1 dimmer	000 ⇔ 255	0–100%
238	Head 4 WW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
239	Head 4 CW/WW cell 1 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
240	Head 4 CW cell 2 dimmer	000 ⇔ 255	0–100%
241	Head 4 CW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
242	Head 4 WW cell 2 dimmer	000 ⇔ 255	0–100%
243	Head 4 WW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
244	Head 4 CW/WW cell 2 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
245	Head 4 CW cell 3 dimmer	000 ⇔ 255	0–100%
246	Head 4 CW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
247	Head 4 WW cell 3 dimmer	000 ⇔ 255	0–100%
248	Head 4 WW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
249	Head 4 CW/WW cell 3 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
250	Head 4 CW cell 4 dimmer	000 ⇔ 255	0–100%
251	Head 4 CW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
252	Head 4 WW cell 4 dimmer	000 ⇔ 255	0–100%
253	Head 4 WW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
257	Head 4 CW/WW cell 4 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
255	Head 4 CW cell 5 dimmer	000 ⇔ 255	0–100%
256	Head 4 CW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
257	Head 4 WW cell 5 dimmer	000 ⇔ 255	0–100%
258	Head 4 WW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
259	Head 4 CW/WW cell 5 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
260	Head 4 CW cell 6 dimmer	000 ⇔ 255	0–100%
261	Head 4 CW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
262	Head 4 WW cell 6 dimmer	000 ⇔ 255	0–100%
263	Head 4 WW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
264	Head 4 CW/WW cell 6 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
265	Head 4 CW cell 7 dimmer	000 ⇔ 255	0–100%
266	Head 4 CW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
267	Head 4 WW cell 7 dimmer	000 ⇔ 255	0–100%
268	Head 4 WW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
269	Head 4 CW/WW cell 7 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
270	Head 4 CW cell 8 dimmer	000 ⇔ 255	0–100%
271	Head 4 CW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
272	Head 4 WW cell 8 dimmer	000 ⇔ 255	0–100%
273	Head 4 WW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
274	Head 4 CW/WW cell 8 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
275	Head 4 CW cells strobe	000 ⇔ 255	See the Strobe Chart
276	Head 4 CW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
277	Head 4 CW cells macro	000 ⇔ 255	See the Cells Macro Chart
278	Head 4 CW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
279	Head 4 CW cells macro delay	000 ⇔ 255	Fast to slow
280	Head 4 WW cells strobe	000 ⇔ 255	See the Strobe Chart
281	Head 4 WW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
282	Head 4 WW cells macro	000 ⇔ 255	See the Cells Macro Chart
283	Head 4 WW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
284	Head 4 WW cells macro delay	000 ⇔ 255	Fast to slow
285	Head 5 Pan	000 ⇔ 255	0–100%
286	Head 5 Fine pan	000 ⇔ 255	16-bit 0–100%
287	Head 5 Tilt	000 ⇔ 255	0–100%
288	Head 5 Fine tilt	000 ⇔ 255	16-bit 0–100%
289	Head 5 Pan/Tilt speed	000 ⇔ 255	Fast to slow
290	Reserved	000 ⇔ 255	Reserved for future use
291	Head 5 center dimmer	000 ⇔ 255	0–100%
292	Head 5 center fine dimmer	000 ⇔ 255	16-bit 0–100%
293	Head 5 center red	000 ⇔ 255	0–100%
294	Head 5 center fine red	000 ⇔ 255	16-bit 0–100%
295	Head 5 center green	000 ⇔ 255	0–100%
296	Head 5 center fine green	000 ⇔ 255	16-bit 0–100%
297	Head 5 center blue	000 ⇔ 255	0–100%
298	Head 5 center fine blue	000 ⇔ 255	16-bit 0–100%
299	Head 5 center white	000 ⇔ 255	0–100%
300	Head 5 center fine white	000 ⇔ 255	16-bit 0–100%
301	Head 5 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
302	Head 5 zoom	000 ⇔ 255	0–100%
303	Head 5 fine zoom	000 ⇔ 255	16-bit 0–100%
304	Head 5 center strobe	000 ⇔ 255	See the Strobe Chart
305	Head 5 center color macro	000 ⇔ 255	See the Color Macro Chart
306	Head 5 CW cell 1 dimmer	000 ⇔ 255	0–100%
307	Head 5 CW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
308	Head 5 WW cell 1 dimmer	000 ⇔ 255	0–100%
309	Head 5 WW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
310	Head 5 CW/WW cell 1 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
311	Head 5 CW cell 2 dimmer	000 ⇔ 255	0–100%
312	Head 5 CW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%

Channel	Function	Value	Percent/Setting
313	Head 5 WW cell 2 dimmer	000 ⇔ 255	0–100%
314	Head 5 WW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
315	Head 5 CW/WW cell 2 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
316	Head 5 CW cell 3 dimmer	000 ⇔ 255	0–100%
317	Head 5 CW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
318	Head 5 WW cell 3 dimmer	000 ⇔ 255	0–100%
319	Head 5 WW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
320	Head 5 CW/WW cell 3 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
321	Head 5 CW cell 4 dimmer	000 ⇔ 255	0–100%
322	Head 5 CW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
323	Head 5 WW cell 4 dimmer	000 ⇔ 255	0–100%
324	Head 5 WW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
325	Head 5 CW/WW cell 4 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
326	Head 5 CW cell 5 dimmer	000 ⇔ 255	0–100%
327	Head 5 CW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
328	Head 5 WW cell 5 dimmer	000 ⇔ 255	0–100%
329	Head 5 WW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
330	Head 5 CW/WW cell 5 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
331	Head 5 CW cell 6 dimmer	000 ⇔ 255	0–100%
332	Head 5 CW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
333	Head 5 WW cell 6 dimmer	000 ⇔ 255	0–100%
334	Head 5 WW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
335	Head 5 CW/WW cell 6 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
336	Head 5 CW cell 7 dimmer	000 ⇔ 255	0–100%
337	Head 5 CW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
338	Head 5 WW cell 7 dimmer	000 ⇔ 255	0–100%
339	Head 5 WW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
340	Head 5 CW/WW cell 7 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
341	Head 5 CW cell 8 dimmer	000 ⇔ 255	0–100%
342	Head 5 CW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
343	Head 5 WW cell 8 dimmer	000 ⇔ 255	0–100%
344	Head 5 WW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
345	Head 5 CW/WW cell 8 CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
346	Head 5 CW cells strobe	000 ⇔ 255	See the Strobe Chart
347	Head 5 CW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
348	Head 5 CW cells macro	000 ⇔ 255	See the Cells Macro Chart
349	Head 5 CW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
350	Head 5 CW cells macro delay	000 ⇔ 255	Fast to slow
351	Head 5 WW cells strobe	000 ⇔ 255	See the Strobe Chart
352	Head 5 WW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
353	Head 5 WW cells macro	000 ⇔ 255	See the Cells Macro Chart
354	Head 5 WW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
355	Head 5 WW cells macro delay	000 ⇔ 255	Fast to slow

Standard

Channel	Function	Value	Percent/Setting
1	Head 1 Pan	000 ⇔ 255	0–100%
2	Head 1 Fine pan	000 ⇔ 255	16-bit 0–100%
3	Head 1 Tilt	000 ⇔ 255	0–100%
4	Head 1 Fine tilt	000 ⇔ 255	16-bit 0–100%
5	Head 1 Pan/Tilt speed	000 ⇔ 255	Fast to slow
6	Control	000 ⇔ 255	See the Control Chart
7	Head 1 center dimmer	000 ⇔ 255	0–100%
8	Head 1 center fine dimmer	000 ⇔ 255	16-bit 0–100%
9	Head 1 center red	000 ⇔ 255	0–100%
10	Head 1 center green	000 ⇔ 255	0–100%
11	Head 1 center blue	000 ⇔ 255	0–100%
12	Head 1 center white	000 ⇔ 255	0–100%
13	Head 1 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
14	Head 1 zoom	000 ⇔ 255	0–100%
15	Head 1 fine zoom	000 ⇔ 255	16-bit 0–100%
16	Head 1 center strobe	000 ⇔ 255	See the Strobe Chart
17	Head 1 center color macro	000 ⇔ 255	See the Color Macro Chart
18	Head 1 CW cell 1 dimmer	000 ⇔ 255	0–100%
19	Head 1 WW cell 1 dimmer	000 ⇔ 255	0–100%
20	Head 1 CW cell 2 dimmer	000 ⇔ 255	0–100%
21	Head 1 WW cell 2 dimmer	000 ⇔ 255	0–100%
22	Head 1 CW cell 3 dimmer	000 ⇔ 255	0–100%
23	Head 1 WW cell 3 dimmer	000 ⇔ 255	0–100%
24	Head 1 CW cell 4 dimmer	000 ⇔ 255	0–100%
25	Head 1 WW cell 4 dimmer	000 ⇔ 255	0–100%
26	Head 1 CW cell 5 dimmer	000 ⇔ 255	0–100%
27	Head 1 WW cell 5 dimmer	000 ⇔ 255	0–100%
28	Head 1 CW cell 6 dimmer	000 ⇔ 255	0–100%
29	Head 1 WW cell 6 dimmer	000 ⇔ 255	0–100%
30	Head 1 CW cell 7 dimmer	000 ⇔ 255	0–100%
31	Head 1 WW cell 7 dimmer	000 ⇔ 255	0–100%
32	Head 1 CW cell 8 dimmer	000 ⇔ 255	0–100%
33	Head 1 WW cell 8 dimmer	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
34	Head 1 CW/WW cells CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
35	Head 1 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart
36	Head 1 CW/WW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
37	Head 1 CW/WW cells macro	000 ⇔ 255	See the Cells Macro Chart
38	Head 1 CW/WW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
39	Head 1 CW/WW cells macro delay	000 ⇔ 255	Fast to slow
40	Head 2 Pan	000 ⇔ 255	0–100%
41	Head 2 Fine pan	000 ⇔ 255	16-bit 0–100%
42	Head 2 Tilt	000 ⇔ 255	0–100%
43	Head 2 Fine tilt	000 ⇔ 255	16-bit 0–100%
44	Head 2 Pan/Tilt speed	000 ⇔ 255	Fast to slow
45	Reserved	000 ⇔ 255	Reserved for future use
46	Head 2 center dimmer	000 ⇔ 255	0–100%
47	Head 2 center fine dimmer	000 ⇔ 255	16-bit 0–100%
48	Head 2 center red	000 ⇔ 255	0–100%
49	Head 2 center green	000 ⇔ 255	0–100%
50	Head 2 center blue	000 ⇔ 255	0–100%
51	Head 2 center white	000 ⇔ 255	0–100%
52	Head 2 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
53	Head 2 zoom	000 ⇔ 255	0–100%
54	Head 2 fine zoom	000 ⇔ 255	16-bit 0–100%
55	Head 2 center strobe	000 ⇔ 255	See the Strobe Chart
56	Head 2 center color macro	000 ⇔ 255	See the Color Macro Chart
57	Head 2 CW cell 1 dimmer	000 ⇔ 255	0–100%
58	Head 2 WW cell 1 dimmer	000 ⇔ 255	0–100%
59	Head 2 CW cell 2 dimmer	000 ⇔ 255	0–100%
60	Head 2 WW cell 2 dimmer	000 ⇔ 255	0–100%
61	Head 2 CW cell 3 dimmer	000 ⇔ 255	0–100%
62	Head 2 WW cell 3 dimmer	000 ⇔ 255	0–100%
63	Head 2 CW cell 4 dimmer	000 ⇔ 255	0–100%
64	Head 2 WW cell 4 dimmer	000 ⇔ 255	0–100%
65	Head 2 CW cell 5 dimmer	000 ⇔ 255	0–100%
66	Head 2 WW cell 5 dimmer	000 ⇔ 255	0–100%
67	Head 2 CW cell 6 dimmer	000 ⇔ 255	0–100%
68	Head 2 WW cell 6 dimmer	000 ⇔ 255	0–100%
69	Head 2 CW cell 7 dimmer	000 ⇔ 255	0–100%
70	Head 2 WW cell 7 dimmer	000 ⇔ 255	0–100%
71	Head 2 CW cell 8 dimmer	000 ⇔ 255	0–100%
72	Head 2 WW cell 8 dimmer	000 ⇔ 255	0–100%
73	Head 2 CW/WW cells CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
74	Head 2 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
75	Head 2 CW/WW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
76	Head 2 CW/WW cells macro	000 ⇔ 255	See the Cells Macro Chart
77	Head 2 CW/WW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
78	Head 2 CW/WW cells macro delay	000 ⇔ 255	Fast to slow
79	Head 3 Pan	000 ⇔ 255	0–100%
80	Head 3 Fine pan	000 ⇔ 255	16-bit 0–100%
81	Head 3 Tilt	000 ⇔ 255	0–100%
82	Head 3 Fine tilt	000 ⇔ 255	16-bit 0–100%
83	Head 3 Pan/Tilt speed	000 ⇔ 255	Fast to slow
84	Reserved	000 ⇔ 255	Reserved for future use
85	Head 3 center dimmer	000 ⇔ 255	0–100%
86	Head 3 center fine dimmer	000 ⇔ 255	16-bit 0–100%
87	Head 3 center red	000 ⇔ 255	0–100%
88	Head 3 center green	000 ⇔ 255	0–100%
89	Head 3 center blue	000 ⇔ 255	0–100%
90	Head 3 center white	000 ⇔ 255	0–100%
91	Head 3 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
92	Head 3 zoom	000 ⇔ 255	0–100%
93	Head 3 fine zoom	000 ⇔ 255	16-bit 0–100%
94	Head 3 center strobe	000 ⇔ 255	See the Strobe Chart
95	Head 3 center color macro	000 ⇔ 255	See the Color Macro Chart
96	Head 3 CW cell 1 dimmer	000 ⇔ 255	0–100%
97	Head 3 WW cell 1 dimmer	000 ⇔ 255	0–100%
98	Head 3 CW cell 2 dimmer	000 ⇔ 255	0–100%
99	Head 3 WW cell 2 dimmer	000 ⇔ 255	0–100%
100	Head 3 CW cell 3 dimmer	000 ⇔ 255	0–100%
101	Head 3 WW cell 3 dimmer	000 ⇔ 255	0–100%
102	Head 3 CW cell 4 dimmer	000 ⇔ 255	0–100%
103	Head 3 WW cell 4 dimmer	000 ⇔ 255	0–100%
104	Head 3 CW cell 5 dimmer	000 ⇔ 255	0–100%
105	Head 3 WW cell 5 dimmer	000 ⇔ 255	0–100%
106	Head 3 CW cell 6 dimmer	000 ⇔ 255	0–100%
107	Head 3 WW cell 6 dimmer	000 ⇔ 255	0–100%
108	Head 3 CW cell 7 dimmer	000 ⇔ 255	0–100%
109	Head 3 WW cell 7 dimmer	000 ⇔ 255	0–100%
110	Head 3 CW cell 8 dimmer	000 ⇔ 255	0–100%
111	Head 3 WW cell 8 dimmer	000 ⇔ 255	0–100%
112	Head 3 CW/WW cells CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
113	Head 3 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart
114	Head 3 CW/WW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216

Channel	Function	Value	Percent/Setting
115	Head 3 CW/WW cells macro	000 ⇔ 255	See the Cells Macro Chart
116	Head 3 CW/WW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
117	Head 3 CW/WW cells macro delay	000 ⇔ 255	Fast to slow
118	Head 4 Pan	000 ⇔ 255	0–100%
119	Head 4 Fine pan	000 ⇔ 255	16-bit 0–100%
120	Head 4 Tilt	000 ⇔ 255	0–100%
121	Head 4 Fine tilt	000 ⇔ 255	16-bit 0–100%
122	Head 4 Pan/Tilt speed	000 ⇔ 255	Fast to slow
123	Reserved	000 ⇔ 255	Reserved for future use
124	Head 4 center dimmer	000 ⇔ 255	0–100%
125	Head 4 center fine dimmer	000 ⇔ 255	16-bit 0–100%
126	Head 4 center red	000 ⇔ 255	0–100%
127	Head 4 center green	000 ⇔ 255	0–100%
128	Head 4 center blue	000 ⇔ 255	0–100%
129	Head 4 center white	000 ⇔ 255	0–100%
130	Head 4 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
131	Head 4 zoom	000 ⇔ 255	0–100%
132	Head 4 fine zoom	000 ⇔ 255	16-bit 0–100%
133	Head 4 center strobe	000 ⇔ 255	See the Strobe Chart
134	Head 4 center color macro	000 ⇔ 255	See the Color Macro Chart
135	Head 4 CW cell 1 dimmer	000 ⇔ 255	0–100%
136	Head 4 WW cell 1 dimmer	000 ⇔ 255	0–100%
137	Head 4 CW cell 2 dimmer	000 ⇔ 255	0–100%
138	Head 4 WW cell 2 dimmer	000 ⇔ 255	0–100%
139	Head 4 CW cell 3 dimmer	000 ⇔ 255	0–100%
140	Head 4 WW cell 3 dimmer	000 ⇔ 255	0–100%
141	Head 4 CW cell 4 dimmer	000 ⇔ 255	0–100%
142	Head 4 WW cell 4 dimmer	000 ⇔ 255	0–100%
143	Head 4 CW cell 5 dimmer	000 ⇔ 255	0–100%
144	Head 4 WW cell 5 dimmer	000 ⇔ 255	0–100%
145	Head 4 CW cell 6 dimmer	000 ⇔ 255	0–100%
146	Head 4 WW cell 6 dimmer	000 ⇔ 255	0–100%
147	Head 4 CW cell 7 dimmer	000 ⇔ 255	0–100%
148	Head 4 WW cell 7 dimmer	000 ⇔ 255	0–100%
149	Head 4 CW cell 8 dimmer	000 ⇔ 255	0–100%
150	Head 4 WW cell 8 dimmer	000 ⇔ 255	0–100%
151	Head 4 CW/WW cells CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
152	Head 4 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart
153	Head 4 CW/WW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
154	Head 4 CW/WW cells macro	000 ⇔ 255	See the Cells Macro Chart

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
155	Head 4 CW/WW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
156	Head 4 CW/WW cells macro delay	000 ⇔ 255	Fast to slow
157	Head 5 Pan	000 ⇔ 255	0–100%
158	Head 5 Fine pan	000 ⇔ 255	16-bit 0–100%
159	Head 5 Tilt	000 ⇔ 255	0–100%
160	Head 5 Fine tilt	000 ⇔ 255	16-bit 0–100%
161	Head 5 Pan/Tilt speed	000 ⇔ 255	Fast to slow
162	Reserved	000 ⇔ 255	Reserved for future use
163	Head 5 center dimmer	000 ⇔ 255	0–100%
164	Head 5 center fine dimmer	000 ⇔ 255	16-bit 0–100%
165	Head 5 center red	000 ⇔ 255	0–100%
166	Head 5 center green	000 ⇔ 255	0–100%
167	Head 5 center blue	000 ⇔ 255	0–100%
168	Head 5 center white	000 ⇔ 255	0–100%
169	Head 5 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
170	Head 5 zoom	000 ⇔ 255	0–100%
171	Head 5 fine zoom	000 ⇔ 255	16-bit 0–100%
172	Head 5 center strobe	000 ⇔ 255	See the Strobe Chart
173	Head 5 center color macro	000 ⇔ 255	See the Color Macro Chart
174	Head 5 CW cell 1 dimmer	000 ⇔ 255	0–100%
175	Head 5 WW cell 1 dimmer	000 ⇔ 255	0–100%
176	Head 5 CW cell 2 dimmer	000 ⇔ 255	0–100%
177	Head 5 WW cell 2 dimmer	000 ⇔ 255	0–100%
178	Head 5 CW cell 3 dimmer	000 ⇔ 255	0–100%
179	Head 5 WW cell 3 dimmer	000 ⇔ 255	0–100%
180	Head 5 CW cell 4 dimmer	000 ⇔ 255	0–100%
181	Head 5 WW cell 4 dimmer	000 ⇔ 255	0–100%
182	Head 5 CW cell 5 dimmer	000 ⇔ 255	0–100%
183	Head 5 WW cell 5 dimmer	000 ⇔ 255	0–100%
184	Head 5 CW cell 6 dimmer	000 ⇔ 255	0–100%
185	Head 5 WW cell 6 dimmer	000 ⇔ 255	0–100%
186	Head 5 CW cell 7 dimmer	000 ⇔ 255	0–100%
187	Head 5 WW cell 7 dimmer	000 ⇔ 255	0–100%
188	Head 5 CW cell 8 dimmer	000 ⇔ 255	0–100%
189	Head 5 WW cell 8 dimmer	000 ⇔ 255	0–100%
190	Head 5 CW/WW cells CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
191	Head 5 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart
192	Head 5 CW/WW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
193	Head 5 CW/WW cells macro	000 ⇔ 255	See the Cells Macro Chart
194	Head 5 CW/WW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast

Channel	Function	Value	Percent/Setting
195	Head 5 CW/WW cells macro delay	000 ⇄ 255	Fast to slow

Basic High Resolution

Channel	Function	Value	Percent/Setting
1	Head 1 Pan	000 ⇄ 255	0–100%
2	Head 1 Fine pan	000 ⇄ 255	16-bit 0–100%
3	Head 1 Tilt	000 ⇄ 255	0–100%
4	Head 1 Fine tilt	000 ⇄ 255	16-bit 0–100%
5	Head 1 Pan/Tilt speed	000 ⇄ 255	Fast to slow
6	Control	000 ⇄ 255	See the Control Chart
7	Head 1 center dimmer	000 ⇄ 255	0–100%
8	Head 1 center fine dimmer	000 ⇄ 255	16-bit 0–100%
9	Head 1 center red	000 ⇄ 255	0–100%
10	Head 1 center fine red	000 ⇄ 255	16-bit 0–100%
11	Head 1 center green	000 ⇄ 255	0–100%
12	Head 1 center fine green	000 ⇄ 255	16-bit 0–100%
13	Head 1 center blue	000 ⇄ 255	0–100%
14	Head 1 center fine blue	000 ⇄ 255	16-bit 0–100%
15	Head 1 center white	000 ⇄ 255	0–100%
16	Head 1 center fine white	000 ⇄ 255	16-bit 0–100%
17	Head 1 center CTC	000 ⇄ 009 010 ⇄ 255	No function Color temperature correction, 2700–10000K
18	Head 1 center fine CTC	000 ⇄ 255	Fine color temperature correction, -29.675–0K
19	Head 1 zoom	000 ⇄ 255	0–100%
20	Head 1 fine zoom	000 ⇄ 255	16-bit 0–100%
21	Head 1 center strobe	000 ⇄ 255	See the Strobe Chart
22	Head 1 center color macro	000 ⇄ 255	See the Color Macro Chart
23	Head 1 CW/WW cells dimmer	000 ⇄ 255	0–100%
24	Head 1 CW/WW cells fine dimmer	000 ⇄ 255	16-bit 0–100%
25	Head 1 CW/WW cells CTC	000 ⇄ 009 010 ⇄ 255	No function Color temperature correction presets
26	Head 1 CW/WW cells fine CTC	000 ⇄ 255	Fine color temperature correction, -29.675–0K
27	Head 1 CW/WW cells strobe	000 ⇄ 255	See the Strobe Chart
28	Head 1 CW/WW cells pattern	000 001 ⇄ 215 216 ⇄ 255	No function Pattern 1–215 Pattern 216
29	Head 1 CW/WW cells macro	000 ⇄ 255	See the Cells Macro Chart
30	Head 1 CW/WW cells macro speed	000 ⇄ 127 128 129 ⇄ 255	Fast to slow Stop Slow to fast
31	Head 1 CW/WW cells macro delay	000 ⇄ 255	Fast to slow
32	Head 2 Pan	000 ⇄ 255	0–100%
33	Head 2 Fine pan	000 ⇄ 255	16-bit 0–100%
34	Head 2 Tilt	000 ⇄ 255	0–100%
35	Head 2 Fine tilt	000 ⇄ 255	16-bit 0–100%
36	Head 2 Pan/Tilt speed	000 ⇄ 255	Fast to slow
37	Reserved	000 ⇄ 255	Reserved for future use
38	Head 2 center dimmer	000 ⇄ 255	0–100%

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
39	Head 2 center fine dimmer	000 ⇔ 255	16-bit 0–100%
40	Head 2 center red	000 ⇔ 255	0–100%
41	Head 2 center fine red	000 ⇔ 255	16-bit 0–100%
42	Head 2 center green	000 ⇔ 255	0–100%
43	Head 2 center fine green	000 ⇔ 255	16-bit 0–100%
44	Head 2 center blue	000 ⇔ 255	0–100%
45	Head 2 center fine blue	000 ⇔ 255	16-bit 0–100%
46	Head 2 center white	000 ⇔ 255	0–100%
47	Head 2 center fine white	000 ⇔ 255	16-bit 0–100%
48	Head 2 center CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction, 2700–10000K
49	Head 2 center fine CTC	000 ⇔ 255	Fine color temperature correction, -29.675–0K
50	Head 2 zoom	000 ⇔ 255	0–100%
51	Head 2 fine zoom	000 ⇔ 255	16-bit 0–100%
52	Head 2 center strobe	000 ⇔ 255	See the Strobe Chart
53	Head 2 center color macro	000 ⇔ 255	See the Color Macro Chart
54	Head 2 CW/WW cells dimmer	000 ⇔ 255	0–100%
55	Head 2 CW/WW cells fine dimmer	000 ⇔ 255	16-bit 0–100%
56	Head 2 CW/WW cells CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
57	Head 2 CW/WW cells fine CTC	000 ⇔ 255	Fine color temperature correction, -29.675–0K
58	Head 2 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart
59	Head 2 CW/WW cells pattern	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 Pattern 216
60	Head 2 CW/WW cells macro	000 ⇔ 255	See the Cells Macro Chart
61	Head 2 CW/WW cells macro speed	000 ⇔ 127 128 129 ⇔ 255	Fast to slow Stop Slow to fast
62	Head 2 CW/WW cells macro delay	000 ⇔ 255	Fast to slow
63	Head 3 Pan	000 ⇔ 255	0–100%
64	Head 3 Fine pan	000 ⇔ 255	16-bit 0–100%
65	Head 3 Tilt	000 ⇔ 255	0–100%
66	Head 3 Fine tilt	000 ⇔ 255	16-bit 0–100%
67	Head 3 Pan/Tilt speed	000 ⇔ 255	Fast to slow
68	Reserved	000 ⇔ 255	Reserved for future use
69	Head 3 center dimmer	000 ⇔ 255	0–100%
70	Head 3 center fine dimmer	000 ⇔ 255	16-bit 0–100%
71	Head 3 center red	000 ⇔ 255	0–100%
72	Head 3 center fine red	000 ⇔ 255	16-bit 0–100%
73	Head 3 center green	000 ⇔ 255	0–100%
74	Head 3 center fine green	000 ⇔ 255	16-bit 0–100%
75	Head 3 center blue	000 ⇔ 255	0–100%
76	Head 3 center fine blue	000 ⇔ 255	16-bit 0–100%
77	Head 3 center white	000 ⇔ 255	0–100%
78	Head 3 center fine white	000 ⇔ 255	16-bit 0–100%
79	Head 3 center CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction, 2700–10000K

Channel	Function	Value	Percent/Setting
80	Head 3 center fine CTC	000 ⇔ 255	Fine color temperature correction, -29.675–0K
81	Head 3 zoom	000 ⇔ 255	0–100%
82	Head 3 fine zoom	000 ⇔ 255	16-bit 0–100%
83	Head 3 center strobe	000 ⇔ 255	See the Strobe Chart
84	Head 3 center color macro	000 ⇔ 255	See the Color Macro Chart
85	Head 3 CW/WW cells dimmer	000 ⇔ 255	0–100%
86	Head 3 CW/WW cells fine dimmer	000 ⇔ 255	16-bit 0–100%
87	Head 3 CW/WW cells CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
88	Head 3 CW/WW cells fine CTC	000 ⇔ 255	Fine color temperature correction, -29.675–0K
89	Head 3 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart
90	Head 3 CW/WW cells pattern	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 Pattern 216
91	Head 3 CW/WW cells macro	000 ⇔ 255	See the Cells Macro Chart
92	Head 3 CW/WW cells macro speed	000 ⇔ 127 128 129 ⇔ 255	Fast to slow Stop Slow to fast
93	Head 3 CW/WW cells macro delay	000 ⇔ 255	Fast to slow
94	Head 4 Pan	000 ⇔ 255	0–100%
95	Head 4 Fine pan	000 ⇔ 255	16-bit 0–100%
96	Head 4 Tilt	000 ⇔ 255	0–100%
97	Head 4 Fine tilt	000 ⇔ 255	16-bit 0–100%
98	Head 4 Pan/Tilt speed	000 ⇔ 255	Fast to slow
199	Reserved	000 ⇔ 255	Reserved for future use
100	Head 4 center dimmer	000 ⇔ 255	0–100%
101	Head 4 center fine dimmer	000 ⇔ 255	16-bit 0–100%
102	Head 4 center red	000 ⇔ 255	0–100%
103	Head 4 center fine red	000 ⇔ 255	16-bit 0–100%
104	Head 4 center green	000 ⇔ 255	0–100%
105	Head 4 center fine green	000 ⇔ 255	16-bit 0–100%
106	Head 4 center blue	000 ⇔ 255	0–100%
107	Head 4 center fine blue	000 ⇔ 255	16-bit 0–100%
108	Head 4 center white	000 ⇔ 255	0–100%
109	Head 4 center fine white	000 ⇔ 255	16-bit 0–100%
110	Head 4 center CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction, 2700–10000K
111	Head 4 center fine CTC	000 ⇔ 255	Fine color temperature correction, -29.675–0K
112	Head 4 zoom	000 ⇔ 255	0–100%
113	Head 4 fine zoom	000 ⇔ 255	16-bit 0–100%
114	Head 4 center strobe	000 ⇔ 255	See the Strobe Chart
115	Head 4 center color macro	000 ⇔ 255	See the Color Macro Chart
116	Head 4 CW/WW cells dimmer	000 ⇔ 255	0–100%
117	Head 4 CW/WW cells fine dimmer	000 ⇔ 255	16-bit 0–100%
118	Head 4 CW/WW cells CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
119	Head 4 CW/WW cells fine CTC	000 ⇔ 255	Fine color temperature correction, -29.675–0K
120	Head 4 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
121	Head 4 CW/WW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
122	Head 4 CW/WW cells macro	000 ⇔ 255	See the Cells Macro Chart
123	Head 4 CW/WW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
124	Head 4 CW/WW cells macro delay	000 ⇔ 255	Fast to slow
125	Head 5 Pan	000 ⇔ 255	0–100%
126	Head 5 Fine pan	000 ⇔ 255	16-bit 0–100%
127	Head 5 Tilt	000 ⇔ 255	0–100%
128	Head 5 Fine tilt	000 ⇔ 255	16-bit 0–100%
129	Head 5 Pan/Tilt speed	000 ⇔ 255	Fast to slow
130	Reserved	000 ⇔ 255	Reserved for future use
131	Head 5 center dimmer	000 ⇔ 255	0–100%
132	Head 5 center fine dimmer	000 ⇔ 255	16-bit 0–100%
133	Head 5 center red	000 ⇔ 255	0–100%
134	Head 5 center fine red	000 ⇔ 255	16-bit 0–100%
135	Head 5 center green	000 ⇔ 255	0–100%
136	Head 5 center fine green	000 ⇔ 255	16-bit 0–100%
137	Head 5 center blue	000 ⇔ 255	0–100%
138	Head 5 center fine blue	000 ⇔ 255	16-bit 0–100%
139	Head 5 center white	000 ⇔ 255	0–100%
140	Head 5 center fine white	000 ⇔ 255	16-bit 0–100%
141	Head 5 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
142	Head 5 center fine CTC	000 ⇔ 255	Fine color temperature correction, -29.675–0K
143	Head 5 zoom	000 ⇔ 255	0–100%
144	Head 5 fine zoom	000 ⇔ 255	16-bit 0–100%
145	Head 5 center strobe	000 ⇔ 255	See the Strobe Chart
146	Head 5 center color macro	000 ⇔ 255	See the Color Macro Chart
147	Head 5 CW/WW cells dimmer	000 ⇔ 255	0–100%
148	Head 5 CW/WW cells fine dimmer	000 ⇔ 255	16-bit 0–100%
149	Head 5 CW/WW cells CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction presets
150	Head 5 CW/WW cells fine CTC	000 ⇔ 255	Fine color temperature correction, -29.675–0K
151	Head 5 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart
152	Head 5 CW/WW cells pattern	000	No function
		001 ⇔ 215	Pattern 1–215
		216 ⇔ 255	Pattern 216
153	Head 5 CW/WW cells macro	000 ⇔ 255	See the Cells Macro Chart
154	Head 5 CW/WW cells macro speed	000 ⇔ 127	Fast to slow
		128	Stop
		129 ⇔ 255	Slow to fast
155	Head 5 CW/WW cells macro delay	000 ⇔ 255	Fast to slow

Basic Raw

Channel	Function	Value	Percent/Setting
1	Head 1 Pan	000 ⇔ 255	0–100%
2	Head 1 Fine pan	000 ⇔ 255	16-bit 0–100%
3	Head 1 Tilt	000 ⇔ 255	0–100%
4	Head 1 Fine tilt	000 ⇔ 255	16-bit 0–100%
5	Head 1 Pan/Tilt speed	000 ⇔ 255	Fast to slow
6	Control	000 ⇔ 255	See the Control Chart
7	Head 1 center dimmer	000 ⇔ 255	0–100%
8	Head 1 center fine dimmer	000 ⇔ 255	16-bit 0–100%
9	Head 1 center red	000 ⇔ 255	0–100%
10	Head 1 center fine red	000 ⇔ 255	16-bit 0–100%
11	Head 1 center green	000 ⇔ 255	0–100%
12	Head 1 center fine green	000 ⇔ 255	16-bit 0–100%
13	Head 1 center blue	000 ⇔ 255	0–100%
14	Head 1 center fine blue	000 ⇔ 255	16-bit 0–100%
15	Head 1 center white	000 ⇔ 255	0–100%
16	Head 1 center fine white	000 ⇔ 255	16-bit 0–100%
17	Head 1 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
18	Head 1 zoom	000 ⇔ 255	0–100%
19	Head 1 fine zoom	000 ⇔ 255	16-bit 0–100%
20	Head 1 center strobe	000 ⇔ 255	See the Strobe Chart
21	Head 1 center color macro	000 ⇔ 255	See the Color Macro Chart
22	Head 1 CW cell 1 dimmer	000 ⇔ 255	0–100%
23	Head 1 WW cell 1 dimmer	000 ⇔ 255	0–100%
24	Head 1 CW cell 2 dimmer	000 ⇔ 255	0–100%
25	Head 1 WW cell 2 dimmer	000 ⇔ 255	0–100%
26	Head 1 CW cell 3 dimmer	000 ⇔ 255	0–100%
27	Head 1 WW cell 3 dimmer	000 ⇔ 255	0–100%
28	Head 1 CW cell 4 dimmer	000 ⇔ 255	0–100%
29	Head 1 WW cell 4 dimmer	000 ⇔ 255	0–100%
30	Head 1 CW cell 5 dimmer	000 ⇔ 255	0–100%
31	Head 1 WW cell 5 dimmer	000 ⇔ 255	0–100%
32	Head 1 CW cell 6 dimmer	000 ⇔ 255	0–100%
33	Head 1 WW cell 6 dimmer	000 ⇔ 255	0–100%
34	Head 1 CW cell 7 dimmer	000 ⇔ 255	0–100%
35	Head 1 WW cell 7 dimmer	000 ⇔ 255	0–100%
36	Head 1 CW cell 8 dimmer	000 ⇔ 255	0–100%
37	Head 1 WW cell 8 dimmer	000 ⇔ 255	0–100%
38	Head 1 CW cells strobe	000 ⇔ 255	See the Strobe Chart
39	Head 1 WW cells strobe	000 ⇔ 255	See the Strobe Chart
40	Head 2 Pan	000 ⇔ 255	0–100%
41	Head 2 Fine pan	000 ⇔ 255	16-bit 0–100%
42	Head 2 Tilt	000 ⇔ 255	0–100%
43	Head 2 Fine tilt	000 ⇔ 255	16-bit 0–100%
44	Head 2 Pan/Tilt speed	000 ⇔ 255	Fast to slow
45	Reserved	000 ⇔ 255	Reserved for future use
46	Head 2 center dimmer	000 ⇔ 255	0–100%

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
47	Head 2 center fine dimmer	000 ⇔ 255	16-bit 0–100%
48	Head 2 center red	000 ⇔ 255	0–100%
49	Head 2 center fine red	000 ⇔ 255	16-bit 0–100%
50	Head 2 center green	000 ⇔ 255	0–100%
51	Head 2 center fine green	000 ⇔ 255	16-bit 0–100%
52	Head 2 center blue	000 ⇔ 255	0–100%
53	Head 2 center fine blue	000 ⇔ 255	16-bit 0–100%
54	Head 2 center white	000 ⇔ 255	0–100%
55	Head 2 center fine white	000 ⇔ 255	16-bit 0–100%
56	Head 2 center CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction, 2700–10000K
57	Head 2 zoom	000 ⇔ 255	0–100%
58	Head 2 fine zoom	000 ⇔ 255	16-bit 0–100%
59	Head 2 center strobe	000 ⇔ 255	See the Strobe Chart
60	Head 2 center color macro	000 ⇔ 255	See the Color Macro Chart
61	Head 2 CW cell 1 dimmer	000 ⇔ 255	0–100%
62	Head 2 WW cell 1 dimmer	000 ⇔ 255	0–100%
63	Head 2 CW cell 2 dimmer	000 ⇔ 255	0–100%
64	Head 2 WW cell 2 dimmer	000 ⇔ 255	0–100%
65	Head 2 CW cell 3 dimmer	000 ⇔ 255	0–100%
66	Head 2 WW cell 3 dimmer	000 ⇔ 255	0–100%
67	Head 2 CW cell 4 dimmer	000 ⇔ 255	0–100%
68	Head 2 WW cell 4 dimmer	000 ⇔ 255	0–100%
69	Head 2 CW cell 5 dimmer	000 ⇔ 255	0–100%
70	Head 2 WW cell 5 dimmer	000 ⇔ 255	0–100%
71	Head 2 CW cell 6 dimmer	000 ⇔ 255	0–100%
72	Head 2 WW cell 6 dimmer	000 ⇔ 255	0–100%
73	Head 2 CW cell 7 dimmer	000 ⇔ 255	0–100%
74	Head 2 WW cell 7 dimmer	000 ⇔ 255	0–100%
75	Head 2 CW cell 8 dimmer	000 ⇔ 255	0–100%
76	Head 2 WW cell 8 dimmer	000 ⇔ 255	0–100%
77	Head 2 CW cells strobe	000 ⇔ 255	See the Strobe Chart
78	Head 2 WW cells strobe	000 ⇔ 255	See the Strobe Chart
79	Head 3 Pan	000 ⇔ 255	0–100%
80	Head 3 Fine pan	000 ⇔ 255	16-bit 0–100%
81	Head 3 Tilt	000 ⇔ 255	0–100%
82	Head 3 Fine tilt	000 ⇔ 255	16-bit 0–100%
83	Head 3 Pan/Tilt speed	000 ⇔ 255	Fast to slow
84	Reserved	000 ⇔ 255	Reserved for future use
85	Head 3 center dimmer	000 ⇔ 255	0–100%
86	Head 3 center fine dimmer	000 ⇔ 255	16-bit 0–100%
87	Head 3 center red	000 ⇔ 255	0–100%
88	Head 3 center fine red	000 ⇔ 255	16-bit 0–100%
89	Head 3 center green	000 ⇔ 255	0–100%
90	Head 3 center fine green	000 ⇔ 255	16-bit 0–100%
91	Head 3 center blue	000 ⇔ 255	0–100%
92	Head 3 center fine blue	000 ⇔ 255	16-bit 0–100%
93	Head 3 center white	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
94	Head 3 center fine white	000 ⇔ 255	16-bit 0–100%
95	Head 3 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
96	Head 3 zoom	000 ⇔ 255	0–100%
97	Head 3 fine zoom	000 ⇔ 255	16-bit 0–100%
98	Head 3 center strobe	000 ⇔ 255	See the Strobe Chart
99	Head 3 center color macro	000 ⇔ 255	See the Color Macro Chart
100	Head 3 CW cell 1 dimmer	000 ⇔ 255	0–100%
101	Head 3 WW cell 1 dimmer	000 ⇔ 255	0–100%
102	Head 3 CW cell 2 dimmer	000 ⇔ 255	0–100%
103	Head 3 WW cell 2 dimmer	000 ⇔ 255	0–100%
104	Head 3 CW cell 3 dimmer	000 ⇔ 255	0–100%
105	Head 3 WW cell 3 dimmer	000 ⇔ 255	0–100%
106	Head 3 CW cell 4 dimmer	000 ⇔ 255	0–100%
107	Head 3 WW cell 4 dimmer	000 ⇔ 255	0–100%
108	Head 3 CW cell 5 dimmer	000 ⇔ 255	0–100%
109	Head 3 WW cell 5 dimmer	000 ⇔ 255	0–100%
110	Head 3 CW cell 6 dimmer	000 ⇔ 255	0–100%
111	Head 3 WW cell 6 dimmer	000 ⇔ 255	0–100%
112	Head 3 CW cell 7 dimmer	000 ⇔ 255	0–100%
113	Head 3 WW cell 7 dimmer	000 ⇔ 255	0–100%
114	Head 3 CW cell 8 dimmer	000 ⇔ 255	0–100%
115	Head 3 WW cell 8 dimmer	000 ⇔ 255	0–100%
116	Head 3 CW cells strobe	000 ⇔ 255	See the Strobe Chart
117	Head 3 WW cells strobe	000 ⇔ 255	See the Strobe Chart
118	Head 4 Pan	000 ⇔ 255	0–100%
119	Head 4 Fine pan	000 ⇔ 255	16-bit 0–100%
120	Head 4 Tilt	000 ⇔ 255	0–100%
121	Head 4 Fine tilt	000 ⇔ 255	16-bit 0–100%
122	Head 4 Pan/Tilt speed	000 ⇔ 255	Fast to slow
123	Reserved	000 ⇔ 255	Reserved for future use
124	Head 4 center dimmer	000 ⇔ 255	0–100%
125	Head 4 center fine dimmer	000 ⇔ 255	16-bit 0–100%
126	Head 4 center red	000 ⇔ 255	0–100%
127	Head 4 center fine red	000 ⇔ 255	16-bit 0–100%
128	Head 4 center green	000 ⇔ 255	0–100%
129	Head 4 center fine green	000 ⇔ 255	16-bit 0–100%
130	Head 4 center blue	000 ⇔ 255	0–100%
131	Head 4 center fine blue	000 ⇔ 255	16-bit 0–100%
132	Head 4 center white	000 ⇔ 255	0–100%
133	Head 4 center fine white	000 ⇔ 255	16-bit 0–100%
134	Head 4 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
135	Head 4 zoom	000 ⇔ 255	0–100%
136	Head 4 fine zoom	000 ⇔ 255	16-bit 0–100%
137	Head 4 center strobe	000 ⇔ 255	See the Strobe Chart
138	Head 4 center color macro	000 ⇔ 255	See the Color Macro Chart
139	Head 4 CW cell 1 dimmer	000 ⇔ 255	0–100%

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
140	Head 4 WW cell 1 dimmer	000 ⇔ 255	0–100%
141	Head 4 CW cell 2 dimmer	000 ⇔ 255	0–100%
142	Head 4 WW cell 2 dimmer	000 ⇔ 255	0–100%
143	Head 4 CW cell 3 dimmer	000 ⇔ 255	0–100%
144	Head 4 WW cell 3 dimmer	000 ⇔ 255	0–100%
145	Head 4 CW cell 4 dimmer	000 ⇔ 255	0–100%
146	Head 4 WW cell 4 dimmer	000 ⇔ 255	0–100%
147	Head 4 CW cell 5 dimmer	000 ⇔ 255	0–100%
148	Head 4 WW cell 5 dimmer	000 ⇔ 255	0–100%
149	Head 4 CW cell 6 dimmer	000 ⇔ 255	0–100%
150	Head 4 WW cell 6 dimmer	000 ⇔ 255	0–100%
151	Head 4 CW cell 7 dimmer	000 ⇔ 255	0–100%
152	Head 4 WW cell 7 dimmer	000 ⇔ 255	0–100%
153	Head 4 CW cell 8 dimmer	000 ⇔ 255	0–100%
154	Head 4 WW cell 8 dimmer	000 ⇔ 255	0–100%
155	Head 4 CW cells strobe	000 ⇔ 255	See the Strobe Chart
156	Head 4 WW cells strobe	000 ⇔ 255	See the Strobe Chart
157	Head 5 Pan	000 ⇔ 255	0–100%
158	Head 5 Fine pan	000 ⇔ 255	16-bit 0–100%
159	Head 5 Tilt	000 ⇔ 255	0–100%
160	Head 5 Fine tilt	000 ⇔ 255	16-bit 0–100%
161	Head 5 Pan/Tilt speed	000 ⇔ 255	Fast to slow
162	Reserved	000 ⇔ 255	Reserved for future use
163	Head 5 center dimmer	000 ⇔ 255	0–100%
164	Head 5 center fine dimmer	000 ⇔ 255	16-bit 0–100%
165	Head 5 center red	000 ⇔ 255	0–100%
166	Head 5 center fine red	000 ⇔ 255	16-bit 0–100%
167	Head 5 center green	000 ⇔ 255	0–100%
168	Head 5 center fine green	000 ⇔ 255	16-bit 0–100%
169	Head 5 center blue	000 ⇔ 255	0–100%
170	Head 5 center fine blue	000 ⇔ 255	16-bit 0–100%
171	Head 5 center white	000 ⇔ 255	0–100%
172	Head 5 center fine white	000 ⇔ 255	16-bit 0–100%
173	Head 5 center CTC	000 ⇔ 009	No function
		010 ⇔ 255	Color temperature correction, 2700–10000K
174	Head 5 zoom	000 ⇔ 255	0–100%
175	Head 5 fine zoom	000 ⇔ 255	16-bit 0–100%
176	Head 5 center strobe	000 ⇔ 255	See the Strobe Chart
177	Head 5 center color macro	000 ⇔ 255	See the Color Macro Chart
178	Head 5 CW cell 1 dimmer	000 ⇔ 255	0–100%
179	Head 5 WW cell 1 dimmer	000 ⇔ 255	0–100%
180	Head 5 CW cell 2 dimmer	000 ⇔ 255	0–100%
181	Head 5 WW cell 2 dimmer	000 ⇔ 255	0–100%
182	Head 5 CW cell 3 dimmer	000 ⇔ 255	0–100%
183	Head 5 WW cell 3 dimmer	000 ⇔ 255	0–100%
184	Head 5 CW cell 4 dimmer	000 ⇔ 255	0–100%
185	Head 5 WW cell 4 dimmer	000 ⇔ 255	0–100%
186	Head 5 CW cell 5 dimmer	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
187	Head 5 WW cell 5 dimmer	000 ⇄ 255	0–100%
188	Head 5 CW cell 6 dimmer	000 ⇄ 255	0–100%
189	Head 5 WW cell 6 dimmer	000 ⇄ 255	0–100%
190	Head 5 CW cell 7 dimmer	000 ⇄ 255	0–100%
191	Head 5 WW cell 7 dimmer	000 ⇄ 255	0–100%
192	Head 5 CW cell 8 dimmer	000 ⇄ 255	0–100%
193	Head 5 WW cell 8 dimmer	000 ⇄ 255	0–100%
194	Head 5 CW cells strobe	000 ⇄ 255	See the Strobe Chart
195	Head 5 WW cells strobe	000 ⇄ 255	See the Strobe Chart

Basic

Channel	Function	Value	Percent/Setting
1	Head 1 Pan	000 ⇄ 255	0–100%
2	Head 1 Fine pan	000 ⇄ 255	16-bit 0–100%
3	Head 1 Tilt	000 ⇄ 255	0–100%
4	Head 1 Fine tilt	000 ⇄ 255	16-bit 0–100%
5	Head 1 Pan/Tilt speed	000 ⇄ 255	Fast to slow
6	Control	000 ⇄ 255	See the Control Chart
7	Head 1 center dimmer	000 ⇄ 255	0–100%
8	Head 1 center fine dimmer	000 ⇄ 255	16-bit 0–100%
9	Head 1 center red	000 ⇄ 255	0–100%
10	Head 1 center green	000 ⇄ 255	0–100%
11	Head 1 center blue	000 ⇄ 255	0–100%
12	Head 1 center white	000 ⇄ 255	0–100%
13	Head 1 center CTC	000 ⇄ 009 010 ⇄ 255	No function Color temperature correction, 2700–10000K
14	Head 1 zoom	000 ⇄ 255	0–100%
15	Head 1 fine zoom	000 ⇄ 255	16-bit 0–100%
16	Head 1 center strobe	000 ⇄ 255	See the Strobe Chart
17	Head 1 center color macro	000 ⇄ 255	See the Color Macro Chart
18	Head 1 CW/WW cells dimmer	000 ⇄ 255	0–100%
19	Head 1 CW/WW cells CTC	000 ⇄ 009 010 ⇄ 255	No function Color temperature correction presets
20	Head 1 CW/WW cells strobe	000 ⇄ 255	See the Strobe Chart
21	Head 1 CW/WW cells pattern	000 001 ⇄ 215 216 ⇄ 255	No function Pattern 1–215 Pattern 216
22	Head 1 CW/WW cells macro	000 ⇄ 255	See the Cells Macro Chart
23	Head 1 CW/WW cells macro speed	000 ⇄ 127 128 129 ⇄ 255	Fast to slow Stop Slow to fast
24	Head 1 CW/WW cells macro delay	000 ⇄ 255	Fast to slow
25	Head 2 Pan	000 ⇄ 255	0–100%
26	Head 2 Fine pan	000 ⇄ 255	16-bit 0–100%
27	Head 2 Tilt	000 ⇄ 255	0–100%
28	Head 2 Fine tilt	000 ⇄ 255	16-bit 0–100%
29	Head 2 Pan/Tilt speed	000 ⇄ 255	Fast to slow
30	Reserved	000 ⇄ 255	Reserved for future use

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
31	Head 2 center dimmer	000 ⇔ 255	0–100%
32	Head 2 center fine dimmer	000 ⇔ 255	16-bit 0–100%
33	Head 2 center red	000 ⇔ 255	0–100%
34	Head 2 center green	000 ⇔ 255	0–100%
35	Head 2 center blue	000 ⇔ 255	0–100%
36	Head 2 center white	000 ⇔ 255	0–100%
37	Head 2 center CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction, 2700–10000K
38	Head 2 zoom	000 ⇔ 255	0–100%
39	Head 2 fine zoom	000 ⇔ 255	16-bit 0–100%
40	Head 2 center strobe	000 ⇔ 255	See the Strobe Chart
41	Head 2 center color macro	000 ⇔ 255	See the Color Macro Chart
42	Head 2 CW/WW cells dimmer	000 ⇔ 255	0–100%
43	Head 2 CW/WW cells CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
44	Head 2 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart
45	Head 2 CW/WW cells pattern	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 Pattern 216
46	Head 2 CW/WW cells macro	000 ⇔ 255	See the Cells Macro Chart
47	Head 2 CW/WW cells macro speed	000 ⇔ 127 128 129 ⇔ 255	Fast to slow Stop Slow to fast
48	Head 2 CW/WW cells macro delay	000 ⇔ 255	Fast to slow
49	Head 3 Pan	000 ⇔ 255	0–100%
50	Head 3 Fine pan	000 ⇔ 255	16-bit 0–100%
51	Head 3 Tilt	000 ⇔ 255	0–100%
52	Head 3 Fine tilt	000 ⇔ 255	16-bit 0–100%
53	Head 3 Pan/Tilt speed	000 ⇔ 255	Fast to slow
54	Reserved	000 ⇔ 255	Reserved for future use
55	Head 3 center dimmer	000 ⇔ 255	0–100%
56	Head 3 center fine dimmer	000 ⇔ 255	16-bit 0–100%
57	Head 3 center red	000 ⇔ 255	0–100%
58	Head 3 center green	000 ⇔ 255	0–100%
59	Head 3 center blue	000 ⇔ 255	0–100%
60	Head 3 center white	000 ⇔ 255	0–100%
61	Head 3 center CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction, 2700–10000K
62	Head 3 zoom	000 ⇔ 255	0–100%
63	Head 3 fine zoom	000 ⇔ 255	16-bit 0–100%
64	Head 3 center strobe	000 ⇔ 255	See the Strobe Chart
65	Head 3 center color macro	000 ⇔ 255	See the Color Macro Chart
66	Head 3 CW/WW cells dimmer	000 ⇔ 255	0–100%
67	Head 3 CW/WW cells CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
68	Head 3 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart

Channel	Function	Value	Percent/Setting
69	Head 3 CW/WW cells pattern	000	No function
		001 ⇄ 215	Pattern 1–215
		216 ⇄ 255	Pattern 216
70	Head 3 CW/WW cells macro	000 ⇄ 255	See the Cells Macro Chart
71	Head 3 CW/WW cells macro speed	000 ⇄ 127	Fast to slow
		128	Stop
		129 ⇄ 255	Slow to fast
72	Head 3 CW/WW cells macro delay	000 ⇄ 255	Fast to slow
73	Head 4 Pan	000 ⇄ 255	0–100%
74	Head 4 Fine pan	000 ⇄ 255	16-bit 0–100%
75	Head 4 Tilt	000 ⇄ 255	0–100%
76	Head 4 Fine tilt	000 ⇄ 255	16-bit 0–100%
77	Head 4 Pan/Tilt speed	000 ⇄ 255	Fast to slow
78	Reserved	000 ⇄ 255	Reserved for future use
79	Head 4 center dimmer	000 ⇄ 255	0–100%
80	Head 4 center fine dimmer	000 ⇄ 255	16-bit 0–100%
81	Head 4 center red	000 ⇄ 255	0–100%
82	Head 4 center green	000 ⇄ 255	0–100%
83	Head 4 center blue	000 ⇄ 255	0–100%
84	Head 4 center white	000 ⇄ 255	0–100%
85	Head 4 center CTC	000 ⇄ 009	No function
		010 ⇄ 255	Color temperature correction, 2700–10000K
86	Head 4 zoom	000 ⇄ 255	0–100%
87	Head 4 fine zoom	000 ⇄ 255	16-bit 0–100%
88	Head 4 center strobe	000 ⇄ 255	See the Strobe Chart
89	Head 4 center color macro	000 ⇄ 255	See the Color Macro Chart
90	Head 4 CW/WW cells dimmer	000 ⇄ 255	0–100%
91	Head 4 CW/WW cells CTC	000 ⇄ 009	No function
		010 ⇄ 255	Color temperature correction presets
92	Head 4 CW/WW cells strobe	000 ⇄ 255	See the Strobe Chart
93	Head 4 CW/WW cells pattern	000	No function
		001 ⇄ 215	Pattern 1–215
		216 ⇄ 255	Pattern 216
94	Head 4 CW/WW cells macro	000 ⇄ 255	See the Cells Macro Chart
95	Head 4 CW/WW cells macro speed	000 ⇄ 127	Fast to slow
		128	Stop
		129 ⇄ 255	Slow to fast
96	Head 4 CW/WW cells macro delay	000 ⇄ 255	Fast to slow
97	Head 5 Pan	000 ⇄ 255	0–100%
98	Head 5 Fine pan	000 ⇄ 255	16-bit 0–100%
99	Head 5 Tilt	000 ⇄ 255	0–100%
100	Head 5 Fine tilt	000 ⇄ 255	16-bit 0–100%
101	Head 5 Pan/Tilt speed	000 ⇄ 255	Fast to slow
102	Reserved	000 ⇄ 255	Reserved for future use
103	Head 5 center dimmer	000 ⇄ 255	0–100%
104	Head 5 center fine dimmer	000 ⇄ 255	16-bit 0–100%
105	Head 5 center red	000 ⇄ 255	0–100%
106	Head 5 center green	000 ⇄ 255	0–100%

DMX CHART



V1.0

Channel	Function	Value	Percent/Setting
107	Head 5 center blue	000 ⇔ 255	0–100%
108	Head 5 center white	000 ⇔ 255	0–100%
109	Head 5 center CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction, 2700–10000K
110	Head 5 zoom	000 ⇔ 255	0–100%
111	Head 5 fine zoom	000 ⇔ 255	16-bit 0–100%
112	Head 5 center strobe	000 ⇔ 255	See the Strobe Chart
113	Head 5 center color macro	000 ⇔ 255	See the Color Macro Chart
114	Head 5 CW/WW cells dimmer	000 ⇔ 255	0–100%
115	Head 5 CW/WW cells CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
116	Head 5 CW/WW cells strobe	000 ⇔ 255	See the Strobe Chart
117	Head 5 CW/WW cells pattern	000 001 ⇔ 215 216 ⇔ 255	No function Pattern 1–215 Pattern 216
118	Head 5 CW/WW cells macro	000 ⇔ 255	See the Cells Macro Chart
119	Head 5 CW/WW cells macro speed	000 ⇔ 127 128 129 ⇔ 255	Fast to slow Stop Slow to fast
120	Head 5 CW/WW cells macro delay	000 ⇔ 255	Fast to slow

Contact Us

General Information	Technical Support
Chauvet World Headquarters	
Address: 3360 Davie Rd., Suite 509 Davie, FL 33314 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetprofessional.com
Chauvet U.K.	
Address: Pod 1 EVO Park Little Oak Drive, Sherwood Park Nottinghamshire, NG15 0EB UK Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet Benelux	
Address: Vaartlaan 9 9800 Deinze Belgium Voice: +32 9 388 93 97	Email: BNLtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet France	
Address: 3, Rue Ampère 91380 Chilly-Mazarin France Voice: +33 1 78 85 33 59	Email: FRtech@chauvetlighting.fr Website: www.chauvetprofessional.eu
Chauvet Germany	
Address: Bruno-Bürgel-Str. 11 28759 Bremen Germany Voice: +49 421 62 60 20	Email: DEtech@chauvetlighting.de Website: www.chauvetprofessional.eu
Chauvet Mexico	
Address: Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvet.com.mx Website: www.chauvetprofessional.mx

Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U. K., Ireland, Mexico, France, Germany, or Benelux, contact the dealer of record.



UL 1573
CSA C22.2 No. 166
E113093

