

QUICK REFERENCE GUIDE



EN

DMX Values 107CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0-100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0-100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	0-100%
6	Dimmer	000 ⇔ 255	0-100%
7	Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
8	Shutter	000 ⇔ 019	off
		020 ⇔ 024	on
		025 ⇔ 064	strobe 1 with decreasing speed
		065 ⇔ 069	on
		070 ⇔ 084	strobe 2 (fast on slow off) with decreasing speed
		085 ⇔ 089	on
		090 ⇔ 104	strobe 3 (slow on fast off) with decreasing speed
		105 ⇔ 109	on
		110 ⇔ 124	strobe 4 (random strobe) with decreasing speed
		125 ⇔ 129	on
		130 ⇔ 144	strobe 5 (random fast on slow off) with decreasing speed
		145 ⇔ 149	on
		150 ⇔ 164	strobe 6 (random slow on fast off) with decreasing speed
		165 ⇔ 169	on
		170 ⇔ 184	strobe 7 (pulse strobe) with decreasing speed
		185 ⇔ 189	on
		190 ⇔ 204	strobe 8 (random pulse strobe) with decreasing speed
205 ⇔ 209	on		
210 ⇔ 224	strobe 9 (fade on or off) with decreasing speed		
225 ⇔ 229	on		
230 ⇔ 244	strobe 10 (pulse strobe) with decreasing speed		
245 ⇔ 255	on		
9	CTC	000	No function
		001 ⇔ 255	2800 to 10,000K
10	Color	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		11	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
		202 ⇔ 238	R: - G: 0 B: 255 W: 0
		239	Blue R: 0 G: 0 B: 255 W: 0
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		

Channel	Function	Value	Percent/Setting
11	Gobo	000 ⇔ 003	No function
		004 ⇔ 006	Gobo 1
		007 ⇔ 009	Gobo 2
		010 ⇔ 012	Gobo 3
		013 ⇔ 015	Gobo 4
		016 ⇔ 018	Gobo 5
		019 ⇔ 021	Gobo 6
		022 ⇔ 024	Gobo 7
		025 ⇔ 027	Gobo 8
		028 ⇔ 030	Gobo 9
		031 ⇔ 033	No Gobo
		034 ⇔ 036	Gobo 10
		037 ⇔ 039	Gobo 11
		040 ⇔ 042	Gobo 12
		043 ⇔ 045	Gobo 13
		046 ⇔ 048	Gobo 14
		049 ⇔ 051	Gobo 15
		052 ⇔ 054	Gobo 16
		055 ⇔ 057	Gobo 17
		058 ⇔ 060	Gobo 18
		061 ⇔ 063	Gobo 19
		064 ⇔ 066	Gobo 20
		067 ⇔ 069	Gobo 21
		070 ⇔ 072	Gobo 22
		073 ⇔ 075	Gobo 23
		076 ⇔ 078	Gobo 24
		079 ⇔ 081	Gobo 25
		082 ⇔ 084	Gobo 26
		085 ⇔ 087	Gobo 27
		088 ⇔ 090	Gobo 28
		091 ⇔ 093	Gobo 29
		094 ⇔ 096	Gobo 30
		097 ⇔ 099	Gobo 31
		100 ⇔ 102	Gobo 32
		103 ⇔ 105	Gobo 33
		106 ⇔ 108	Gobo 34
		109 ⇔ 111	Gobo 35
		112 ⇔ 114	Gobo 36
		115 ⇔ 117	Gobo 37
		118 ⇔ 120	Gobo 38
		121 ⇔ 123	Gobo 39
		124 ⇔ 126	Gobo 40
		127 ⇔ 129	Gobo 41
		130 ⇔ 132	Gobo 42
		133 ⇔ 135	Gobo 43
		136 ⇔ 138	Gobo 44
		139 ⇔ 141	Gobo 45
		142 ⇔ 144	Gobo 46
		145 ⇔ 147	Gobo 47
		148 ⇔ 150	Gobo 48
		151 ⇔ 153	Gobo 49
		154 ⇔ 156	Gobo 50
		157 ⇔ 159	Gobo 51
		160 ⇔ 162	Gobo 52
		163 ⇔ 165	Gobo 53
		166 ⇔ 168	Gobo 54
		169 ⇔ 171	Gobo 55
		172 ⇔ 174	Gobo 56
		175 ⇔ 177	Gobo 57
		178 ⇔ 180	Gobo 58
		181 ⇔ 183	Gobo 59
		184 ⇔ 186	Gobo 60
		187 ⇔ 189	Gobo 61
		190 ⇔ 192	Gobo 62
193 ⇔ 195	Gobo 63		
196 ⇔ 198	Gobo 64		

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Channel	Function	Value	Percent/Setting
11 (cont.)	Gobo (cont.)	199 ⇔ 201	Gobo 65
		202 ⇔ 204	Gobo 66
		205 ⇔ 207	Gobo 67
		208 ⇔ 210	Gobo 68
		211 ⇔ 213	Gobo 69
		214 ⇔ 216	Gobo 70
		217 ⇔ 219	Gobo 71
		220 ⇔ 222	Gobo 72
		223 ⇔ 225	Gobo 73
		226 ⇔ 228	Gobo 74
		229 ⇔ 231	Gobo 75
		232 ⇔ 234	Gobo 76
		235 ⇔ 237	Gobo 77
		238 ⇔ 240	Gobo 78
		241 ⇔ 243	Gobo 79
		244 ⇔ 246	Gobo 80
		247 ⇔ 249	Gobo 81
250 ⇔ 252	Gobo 82		
253 ⇔ 255	Gobo 83		
12	LED Built-in	000 ⇔ 015	No function
		016 ⇔ 017	Built-in 1
		018 ⇔ 019	Built-in 2
		020 ⇔ 021	Built-in 3
		022 ⇔ 023	Built-in 4
		024 ⇔ 025	Built-in 5
		026 ⇔ 027	Built-in 6
		028 ⇔ 029	Built-in 7
		030 ⇔ 031	Built-in 8
		032 ⇔ 033	Built-in 9
		034 ⇔ 035	Built-in 10
		036 ⇔ 037	Built-in 11
		038 ⇔ 039	Built-in 12
		040 ⇔ 041	Built-in 13
		042 ⇔ 043	Built-in 14
		044 ⇔ 045	Built-in 15
		046 ⇔ 047	Built-in 16
		048 ⇔ 049	Built-in 17
		050 ⇔ 051	Built-in 18
		052 ⇔ 053	Built-in 19
		054 ⇔ 055	Built-in 20
		056 ⇔ 057	Built-in 21
		058 ⇔ 059	Built-in 22
		060 ⇔ 061	Built-in 23
		062 ⇔ 063	Built-in 24
		064 ⇔ 065	Built-in 25
		066 ⇔ 067	Built-in 26
		068 ⇔ 069	Built-in 27
		070 ⇔ 071	Built-in 28
		072 ⇔ 073	Built-in 29
		074 ⇔ 075	Built-in 30
		076 ⇔ 077	Built-in 31
		078 ⇔ 079	Built-in 32
		080 ⇔ 081	Built-in 33
082 ⇔ 083	Built-in 34		
084 ⇔ 085	Built-in 35		
086 ⇔ 087	Built-in 36		
088 ⇔ 089	Built-in 37		
090 ⇔ 091	Built-in 38		
092 ⇔ 093	Built-in 39		
094 ⇔ 095	Built-in 40		
096 ⇔ 097	Built-in 41		
098 ⇔ 099	Built-in 42		
100 ⇔ 101	Built-in 43		
102 ⇔ 103	Built-in 44		

Channel	Function	Value	Percent/Setting
		104 ⇄ 105	Built-in 45
		106 ⇄ 107	Built-in 46
		108 ⇄ 109	Built-in 47
		110 ⇄ 111	Built-in 48
		112 ⇄ 113	Built-in 49
		114 ⇄ 115	Built-in 50
		116 ⇄ 117	Built-in 51
		118 ⇄ 119	Built-in 52
		120 ⇄ 121	Built-in 53
		122 ⇄ 123	Built-in 54
		124 ⇄ 125	Built-in 55
		126 ⇄ 127	Built-in 56
		128 ⇄ 135	Built-in 57
		136 ⇄ 137	Built-in 58
		138 ⇄ 139	Built-in 59
		140 ⇄ 141	Built-in 60
		142 ⇄ 143	Built-in 61
		144 ⇄ 145	Built-in 62
		146 ⇄ 147	Built-in 63
		148 ⇄ 149	Built-in 64
		150 ⇄ 151	Built-in 65
		152 ⇄ 153	Built-in 66
		154 ⇄ 155	Built-in 67
		156 ⇄ 157	Built-in 68
		158 ⇄ 159	Built-in 69
		160 ⇄ 161	Built-in 70
		162 ⇄ 163	Built-in 71
		164 ⇄ 165	Built-in 72
		166 ⇄ 167	Built-in 73
		168 ⇄ 169	Built-in 74
		170 ⇄ 171	Built-in 75
		172 ⇄ 173	Built-in 76
		174 ⇄ 175	Built-in 77
		176 ⇄ 177	Built-in 78
		178 ⇄ 179	Built-in 79
		180 ⇄ 181	Built-in 80
		182 ⇄ 183	Built-in 81
		184 ⇄ 185	Built-in 82
		186 ⇄ 187	Built-in 83
		188 ⇄ 189	Built-in 84
		190 ⇄ 191	Built-in 85
		192 ⇄ 193	Built-in 86
		194 ⇄ 195	Built-in 87
		196 ⇄ 197	Built-in 88
		198 ⇄ 199	Built-in 89
		200 ⇄ 201	Built-in 90
		202 ⇄ 203	Built-in 91
		204 ⇄ 205	Built-in 92
		206 ⇄ 207	Built-in 93
		208 ⇄ 209	Built-in 94
		210 ⇄ 211	Built-in 95
		212 ⇄ 213	Built-in 96
		214 ⇄ 215	Built-in 97
		216 ⇄ 217	Built-in 98
		218 ⇄ 219	Built-in 99
		220 ⇄ 221	Built-in 100
		222 ⇄ 223	Built-in 101
		224 ⇄ 225	Built-in 102
		226 ⇄ 227	Built-in 103
		228 ⇄ 229	Built-in 104
		230 ⇄ 231	Built-in 105
		232 ⇄ 233	Built-in 106
		234 ⇄ 235	Built-in 107
		236 ⇄ 237	Built-in 108
		238 ⇄ 239	Built-in 109
12 (cont.)	LED Built-in (cont.)		

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Channel	Function	Value	Percent/Setting
12 (cont.)	LED Built-in (cont.)	240 ⇔ 241	Built-in 110
		242 ⇔ 243	Built-in 111
		244 ⇔ 245	Built-in 112
		246 ⇔ 247	Built-in 113
		248 ⇔ 255	Built-in 114
13	LED Built-in Speed	000 ⇔ 127	Clockwise fast to slow
		128	Stop
		129 ⇔ 255	Counter-clockwise slow to fast
14	LED Built-in Delay	000 ⇔ 255	Fast to slow
15	Background Color Macros	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		11	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
		202 ⇔ 238	R: - G: 0 B: 255 W: 0
239	Blue R: 0 G: 0 B: 255 W: 0		
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		
16	Background Color Dimmer	000 ⇔ 255	0-100%
17	Background Color Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
18	Background Red	000 ⇔ 255	0-100%
19	Background Fine Red	000 ⇔ 255	Fine control (16-bit)
20	Background Green	000 ⇔ 255	0-100%
21	Background Fine Green	000 ⇔ 255	Fine control (16-bit)
22	Background Blue	000 ⇔ 255	0-100%
23	Background Fine Blue	000 ⇔ 255	Fine control (16-bit)
24	Background White	000 ⇔ 255	0-100%
25	Background Fine White	000 ⇔ 255	Fine control (16-bit)
26	Zoom	000 ⇔ 255	0-100%

Channel	Function	Value	Percent/Setting
27	Control	000 ⇔ 009	No function
		010 ⇔ 014	Pan/Tilt blackout
		015 ⇔ 019	No function
		020 ⇔ 024	RGBW color mixing (5 sec.)
		025 ⇔ 029	CMY color mixing (5 sec.)
		030 ⇔ 034	No function
		035 ⇔ 039	No function
		040 ⇔ 044	No function
		045 ⇔ 049	No function
		050 ⇔ 054	Pan reset
		055 ⇔ 059	Tilt reset
		060 ⇔ 064	Zoom reset
		065 ⇔ 069	No function
		070 ⇔ 074	All reset
		075 ⇔ 079	No function
		080 ⇔ 084	Pan/Tilt reverse
		085 ⇔ 089	Pan reverse
		090 ⇔ 094	Tilt reverse
		095 ⇔ 099	Cancel pan reverse
		100 ⇔ 104	Cancel tilt reverse
		105 ⇔ 109	Cancel pan/tilt reverse
110 ⇔ 114	No function		
115 ⇔ 119	No function		
120 ⇔ 124	Fan low speed		
125 ⇔ 129	Fan full speed		
130 ⇔ 134	Fan auto		
135 ⇔ 139	Dimmer Fast mode		
140 ⇔ 144	Dimmer Smooth mode		
145 ⇔ 255	No function		
28	Red (Cyan)	000 ⇔ 255	0-100%
29	Fine Red (Cyan)	000 ⇔ 255	Fine control (16-bit)
30	Green (Magenta)	000 ⇔ 255	0-100%
31	Fine Green (Magenta)	000 ⇔ 255	Fine control (16-bit)
32	Blue (Yellow)	000 ⇔ 255	0-100%
33	Fine Blue (Yellow)	000 ⇔ 255	Fine control (16-bit)
34	White	000 ⇔ 255	0-100%
35	Fine White	000 ⇔ 255	Fine control (16-bit)
36	Red 1 (Cyan)	000 ⇔ 255	0-100%
37	Fine Red 1 (Cyan)	000 ⇔ 255	Fine control (16-bit)
38	Green 1 (Magenta)	000 ⇔ 255	0-100%
39	Fine Green 1 (Magenta)	000 ⇔ 255	Fine control (16-bit)
40	Blue 1 (Yellow)	000 ⇔ 255	0-100%
41	Fine Blue 1 (Yellow)	000 ⇔ 255	Fine control (16-bit)
42	White 1	000 ⇔ 255	0-100%
43	Fine White 1	000 ⇔ 255	Fine control (16-bit)
44	Red 2 (Cyan)	000 ⇔ 255	0-100%
45	Fine Red 2 (Cyan)	000 ⇔ 255	Fine control (16-bit)
46	Green 2 (Magenta)	000 ⇔ 255	0-100%
47	Fine Green 2 (Magenta)	000 ⇔ 255	Fine control (16-bit)
48	Blue 2 (Yellow)	000 ⇔ 255	0-100%
49	Fine Blue 2 (Yellow)	000 ⇔ 255	Fine control (16-bit)
50	White 2	000 ⇔ 255	0-100%
51	Fine White 2	000 ⇔ 255	Fine control (16-bit)
52	Red 3 (Cyan)	000 ⇔ 255	0-100%
53	Fine Red 3 (Cyan)	000 ⇔ 255	Fine control (16-bit)
54	Green 3 (Magenta)	000 ⇔ 255	0-100%
55	Fine Green 3 (Magenta)	000 ⇔ 255	Fine control (16-bit)
56	Blue 3 (Yellow)	000 ⇔ 255	0-100%

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Channel	Function	Value	Percent/Setting
57	Fine Blue 3 (Yellow)	000 ⇔ 255	Fine control (16-bit)
58	White 3	000 ⇔ 255	0-100%
59	Fine White 3	000 ⇔ 255	Fine control (16-bit)
60	Red 4 (Cyan)	000 ⇔ 255	0-100%
61	Fine Red 4 (Cyan)	000 ⇔ 255	Fine control (16-bit)
62	Green 4 (Magenta)	000 ⇔ 255	0-100%
63	Fine Green 4 (Magenta)	000 ⇔ 255	Fine control (16-bit)
64	Blue 4 (Yellow)	000 ⇔ 255	0-100%
65	Fine Blue 4 (Yellow)	000 ⇔ 255	Fine control (16-bit)
66	White 4	000 ⇔ 255	0-100%
67	Fine White 4	000 ⇔ 255	Fine control (16-bit)
68	Red 5 (Cyan)	000 ⇔ 255	0-100%
69	Fine Red 5 (Cyan)	000 ⇔ 255	Fine control (16-bit)
70	Green 5 (Magenta)	000 ⇔ 255	0-100%
71	Fine Green 5 (Magenta)	000 ⇔ 255	Fine control (16-bit)
72	Blue 5 (Yellow)	000 ⇔ 255	0-100%
73	Fine Blue 5 (Yellow)	000 ⇔ 255	Fine control (16-bit)
74	White 5	000 ⇔ 255	0-100%
75	Fine White 5	000 ⇔ 255	Fine control (16-bit)
76	Red 6 (Cyan)	000 ⇔ 255	0-100%
77	Fine Red 6 (Cyan)	000 ⇔ 255	Fine control (16-bit)
78	Green 6 (Magenta)	000 ⇔ 255	0-100%
79	Fine Green 6 (Magenta)	000 ⇔ 255	Fine control (16-bit)
80	Blue 6 (Yellow)	000 ⇔ 255	0-100%
81	Fine Blue 6 (Yellow)	000 ⇔ 255	Fine control (16-bit)
82	White 6	000 ⇔ 255	0-100%
83	Fine White 6	000 ⇔ 255	Fine control (16-bit)
84	Red 7 (Cyan)	000 ⇔ 255	0-100%
85	Fine Red 7 (Cyan)	000 ⇔ 255	Fine control (16-bit)
86	Green 7 (Magenta)	000 ⇔ 255	0-100%
87	Fine Green 7 (Magenta)	000 ⇔ 255	Fine control (16-bit)
88	Blue 7 (Yellow)	000 ⇔ 255	0-100%
89	Fine Blue 7 (Yellow)	000 ⇔ 255	Fine control (16-bit)
90	White 7	000 ⇔ 255	0-100%
91	Fine White 7	000 ⇔ 255	Fine control (16-bit)
92	Red 8 (Cyan)	000 ⇔ 255	0-100%
93	Fine Red 8 (Cyan)	000 ⇔ 255	Fine control (16-bit)
94	Green 8 (Magenta)	000 ⇔ 255	0-100%
95	Fine Green 8 (Magenta)	000 ⇔ 255	Fine control (16-bit)
96	Blue 8 (Yellow)	000 ⇔ 255	0-100%
97	Fine Blue 8 (Yellow)	000 ⇔ 255	Fine control (16-bit)
98	White 8	000 ⇔ 255	0-100%
99	Fine White 8	000 ⇔ 255	Fine control (16-bit)
100	Red 9 (Cyan)	000 ⇔ 255	0-100%
101	Fine Red 9 (Cyan)	000 ⇔ 255	Fine control (16-bit)
102	Green 9 (Magenta)	000 ⇔ 255	0-100%
103	Fine Green 9 (Magenta)	000 ⇔ 255	Fine control (16-bit)
104	Blue 9 (Yellow)	000 ⇔ 255	0-100%
105	Fine Blue 9 (Yellow)	000 ⇔ 255	Fine control (16-bit)
106	White 9	000 ⇔ 255	0-100%
107	Fine White 9	000 ⇔ 255	Fine control (16-bit)

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Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0-100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0-100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	0-100%
6	Dimmer	000 ⇔ 255	0-100%
7	Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
8	Shutter	000 ⇔ 019	off
		020 ⇔ 024	on
		025 ⇔ 064	strobe 1 with decreasing speed
		065 ⇔ 069	on
		070 ⇔ 084	strobe 2 (fast on slow off) with decreasing speed
		085 ⇔ 089	on
		090 ⇔ 104	strobe 3 (slow on fast off) with decreasing speed
		105 ⇔ 109	on
		110 ⇔ 124	strobe 4 (random strobe) with decreasing speed
		125 ⇔ 129	on
		130 ⇔ 144	strobe 5 (random fast on slow off) with decreasing speed
		145 ⇔ 149	on
		150 ⇔ 164	strobe 6 (random slow on fast off) with decreasing speed
		165 ⇔ 169	on
		170 ⇔ 184	strobe 7 (pulse strobe) with decreasing speed
		185 ⇔ 189	on
		190 ⇔ 204	strobe 8 (random pulse strobe) with decreasing speed
205 ⇔ 209	on		
210 ⇔ 224	strobe 9 (fade on or off) with decreasing speed		
225 ⇔ 229	on		
230 ⇔ 244	strobe 10 (pulse strobe) with decreasing speed		
245 ⇔ 255	on		
9	CTC	000	No function
		001 ⇔ 255	2800 to 10,000K
10	Color	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		11	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
202 ⇔ 238	R: - G: 0 B: 255 W: 0		
239	Blue R: 0 G: 0 B: 255 W: 0		
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		

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Channel	Function	Value	Percent/Setting
11	Gobo	000 ⇄ 003	No function
		004 ⇄ 006	Gobo 1
		007 ⇄ 009	Gobo 2
		010 ⇄ 012	Gobo 3
		013 ⇄ 015	Gobo 4
		016 ⇄ 018	Gobo 5
		019 ⇄ 021	Gobo 6
		022 ⇄ 024	Gobo 7
		025 ⇄ 027	Gobo 8
		028 ⇄ 030	Gobo 9
		031 ⇄ 033	No Gobo
		034 ⇄ 036	Gobo 10
		037 ⇄ 039	Gobo 11
		040 ⇄ 042	Gobo 12
		043 ⇄ 045	Gobo 13
		046 ⇄ 048	Gobo 14
		049 ⇄ 051	Gobo 15
		052 ⇄ 054	Gobo 16
		055 ⇄ 057	Gobo 17
		058 ⇄ 060	Gobo 18
		061 ⇄ 063	Gobo 19
		064 ⇄ 066	Gobo 20
		067 ⇄ 069	Gobo 21
		070 ⇄ 072	Gobo 22
		073 ⇄ 075	Gobo 23
		076 ⇄ 078	Gobo 24
		079 ⇄ 081	Gobo 25
		082 ⇄ 084	Gobo 26
		085 ⇄ 087	Gobo 27
		088 ⇄ 090	Gobo 28
		091 ⇄ 093	Gobo 29
		094 ⇄ 096	Gobo 30
		097 ⇄ 099	Gobo 31
		100 ⇄ 102	Gobo 32
		103 ⇄ 105	Gobo 33
		106 ⇄ 108	Gobo 34
		109 ⇄ 111	Gobo 35
		112 ⇄ 114	Gobo 36
		115 ⇄ 117	Gobo 37
		118 ⇄ 120	Gobo 38
		121 ⇄ 123	Gobo 39
		124 ⇄ 126	Gobo 40
		127 ⇄ 129	Gobo 41
		130 ⇄ 132	Gobo 42
		133 ⇄ 135	Gobo 43
		136 ⇄ 138	Gobo 44
		139 ⇄ 141	Gobo 45
		142 ⇄ 144	Gobo 46
		145 ⇄ 147	Gobo 47
		148 ⇄ 150	Gobo 48
		151 ⇄ 153	Gobo 49
		154 ⇄ 156	Gobo 50
		157 ⇄ 159	Gobo 51
		160 ⇄ 162	Gobo 52
		163 ⇄ 165	Gobo 53
		166 ⇄ 168	Gobo 54
		169 ⇄ 171	Gobo 55
		172 ⇄ 174	Gobo 56
		175 ⇄ 177	Gobo 57
		178 ⇄ 180	Gobo 58
		181 ⇄ 183	Gobo 59
		184 ⇄ 186	Gobo 60
		187 ⇄ 189	Gobo 61
		190 ⇄ 192	Gobo 62
193 ⇄ 195	Gobo 63		
196 ⇄ 198	Gobo 64		

Channel	Function	Value	Percent/Setting
11 (cont.)	Gobo (cont.)	199 ⇔ 201	Gobo 65
		202 ⇔ 204	Gobo 66
		205 ⇔ 207	Gobo 67
		208 ⇔ 210	Gobo 68
		211 ⇔ 213	Gobo 69
		214 ⇔ 216	Gobo 70
		217 ⇔ 219	Gobo 71
		220 ⇔ 222	Gobo 72
		223 ⇔ 225	Gobo 73
		226 ⇔ 228	Gobo 74
		229 ⇔ 231	Gobo 75
		232 ⇔ 234	Gobo 76
		235 ⇔ 237	Gobo 77
		238 ⇔ 240	Gobo 78
		241 ⇔ 243	Gobo 79
		244 ⇔ 246	Gobo 80
		247 ⇔ 249	Gobo 81
250 ⇔ 252	Gobo 82		
253 ⇔ 255	Gobo 83		
12	LED Built-in	000 ⇔ 015	No function
		016 ⇔ 017	Built-in 1
		018 ⇔ 019	Built-in 2
		020 ⇔ 021	Built-in 3
		022 ⇔ 023	Built-in 4
		024 ⇔ 025	Built-in 5
		026 ⇔ 027	Built-in 6
		028 ⇔ 029	Built-in 7
		030 ⇔ 031	Built-in 8
		032 ⇔ 033	Built-in 9
		034 ⇔ 035	Built-in 10
		036 ⇔ 037	Built-in 11
		038 ⇔ 039	Built-in 12
		040 ⇔ 041	Built-in 13
		042 ⇔ 043	Built-in 14
		044 ⇔ 045	Built-in 15
		046 ⇔ 047	Built-in 16
		048 ⇔ 049	Built-in 17
		050 ⇔ 051	Built-in 18
		052 ⇔ 053	Built-in 19
		054 ⇔ 055	Built-in 20
		056 ⇔ 057	Built-in 21
		058 ⇔ 059	Built-in 22
		060 ⇔ 061	Built-in 23
		062 ⇔ 063	Built-in 24
		064 ⇔ 065	Built-in 25
		066 ⇔ 067	Built-in 26
		068 ⇔ 069	Built-in 27
		070 ⇔ 071	Built-in 28
		072 ⇔ 073	Built-in 29
		074 ⇔ 075	Built-in 30
		076 ⇔ 077	Built-in 31
		078 ⇔ 079	Built-in 32
		080 ⇔ 081	Built-in 33
082 ⇔ 083	Built-in 34		
084 ⇔ 085	Built-in 35		
086 ⇔ 087	Built-in 36		
088 ⇔ 089	Built-in 37		
090 ⇔ 091	Built-in 38		
092 ⇔ 093	Built-in 39		
094 ⇔ 095	Built-in 40		
096 ⇔ 097	Built-in 41		
098 ⇔ 099	Built-in 42		
100 ⇔ 101	Built-in 43		
102 ⇔ 103	Built-in 44		

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Channel	Function	Value	Percent/Setting
12 (cont.)	LED Built-in (cont.)	104 ⇄ 105	Built-in 45
		106 ⇄ 107	Built-in 46
		108 ⇄ 109	Built-in 47
		110 ⇄ 111	Built-in 48
		112 ⇄ 113	Built-in 49
		114 ⇄ 115	Built-in 50
		116 ⇄ 117	Built-in 51
		118 ⇄ 119	Built-in 52
		120 ⇄ 121	Built-in 53
		122 ⇄ 123	Built-in 54
		124 ⇄ 125	Built-in 55
		126 ⇄ 127	Built-in 56
		128 ⇄ 135	Built-in 57
		136 ⇄ 137	Built-in 58
		138 ⇄ 139	Built-in 59
		140 ⇄ 141	Built-in 60
		142 ⇄ 143	Built-in 61
		144 ⇄ 145	Built-in 62
		146 ⇄ 147	Built-in 63
		148 ⇄ 149	Built-in 64
		150 ⇄ 151	Built-in 65
		152 ⇄ 153	Built-in 66
		154 ⇄ 155	Built-in 67
		156 ⇄ 157	Built-in 68
		158 ⇄ 159	Built-in 69
		160 ⇄ 161	Built-in 70
		162 ⇄ 163	Built-in 71
		164 ⇄ 165	Built-in 72
		166 ⇄ 167	Built-in 73
		168 ⇄ 169	Built-in 74
		170 ⇄ 171	Built-in 75
		172 ⇄ 173	Built-in 76
		174 ⇄ 175	Built-in 77
		176 ⇄ 177	Built-in 78
		178 ⇄ 179	Built-in 79
		180 ⇄ 181	Built-in 80
		182 ⇄ 183	Built-in 81
		184 ⇄ 185	Built-in 82
186 ⇄ 187	Built-in 83		
188 ⇄ 189	Built-in 84		
190 ⇄ 191	Built-in 85		
192 ⇄ 193	Built-in 86		
194 ⇄ 195	Built-in 87		
196 ⇄ 197	Built-in 88		
198 ⇄ 199	Built-in 89		
200 ⇄ 201	Built-in 90		
202 ⇄ 203	Built-in 91		
204 ⇄ 205	Built-in 92		
206 ⇄ 207	Built-in 93		
208 ⇄ 209	Built-in 94		
210 ⇄ 211	Built-in 95		
212 ⇄ 213	Built-in 96		
214 ⇄ 215	Built-in 97		
216 ⇄ 217	Built-in 98		
218 ⇄ 219	Built-in 99		
220 ⇄ 221	Built-in 100		
222 ⇄ 223	Built-in 101		
224 ⇄ 225	Built-in 102		
226 ⇄ 227	Built-in 103		
228 ⇄ 229	Built-in 104		
230 ⇄ 231	Built-in 105		
232 ⇄ 233	Built-in 106		
234 ⇄ 235	Built-in 107		
236 ⇄ 237	Built-in 108		
238 ⇄ 239	Built-in 109		

Channel	Function	Value	Percent/Setting
12 (cont.)	LED Built-in (cont.)	240 ⇔ 241	Built-in 110
		242 ⇔ 243	Built-in 111
		244 ⇔ 245	Built-in 112
		246 ⇔ 247	Built-in 113
		248 ⇔ 255	Built-in 114
13	LED Built-in Speed	000 ⇔ 127 128 129 ⇔ 255	Clockwise fast to slow Stop Counter-clockwise slow to fast
14	LED Built-in Delay	000 ⇔ 255	Fast to slow
15	Background Color Macros	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		11	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
202 ⇔ 238	R: - G: 0 B: 255 W: 0		
239	Blue R: 0 G: 0 B: 255 W: 0		
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		
16	Background Color Dimmer	000 ⇔ 255	0-100%
17	Background Red	000 ⇔ 255	0-100%
18	Background Green	000 ⇔ 255	0-100%
19	Background Blue	000 ⇔ 255	0-100%
20	Background White	000 ⇔ 255	0-100%
21	Zoom	000 ⇔ 255	0-100%

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Channel	Function	Value	Percent/Setting
22	Control	000 ⇔ 009	No function
		010 ⇔ 014	Pan/Tilt blackout
		015 ⇔ 019	No function
		020 ⇔ 024	RGBW color mixing (5 sec.)
		025 ⇔ 029	CMY color mixing (5 sec.)
		030 ⇔ 034	No function
		035 ⇔ 039	No function
		040 ⇔ 044	No function
		045 ⇔ 049	No function
		050 ⇔ 054	Pan reset
		055 ⇔ 059	Tilt reset
		060 ⇔ 064	Zoom reset
		065 ⇔ 069	No function
		070 ⇔ 074	All reset
		075 ⇔ 079	No function
		080 ⇔ 084	Pan/Tilt reverse
		085 ⇔ 089	Pan reverse
		090 ⇔ 094	Tilt reverse
		095 ⇔ 099	Cancel pan reverse
		100 ⇔ 104	Cancel tilt reverse
		105 ⇔ 109	Cancel pan/tilt reverse
		110 ⇔ 114	No function
		115 ⇔ 119	No function
		120 ⇔ 124	Fan low speed
		125 ⇔ 129	Fan full speed
		130 ⇔ 134	Fan auto
135 ⇔ 139	Dimmer Fast mode		
140 ⇔ 144	Dimmer Smooth mode		
145 ⇔ 255	No function		
23	Red (Cyan)	000 ⇔ 255	0-100%
24	Green (Magenta)	000 ⇔ 255	0-100%
25	Blue (Yellow)	000 ⇔ 255	0-100%
26	White	000 ⇔ 255	0-100%
27	Dimmer 1	000 ⇔ 255	0-100%
28	Red 1 (Cyan)	000 ⇔ 255	0-100%
29	Green 1 (Magenta)	000 ⇔ 255	0-100%
30	Blue 1 (Yellow)	000 ⇔ 255	0-100%
31	White 1	000 ⇔ 255	0-100%
32	Dimmer 2	000 ⇔ 255	0-100%
33	Red 2 (Cyan)	000 ⇔ 255	0-100%
34	Green 2 (Magenta)	000 ⇔ 255	0-100%
35	Blue 2 (Yellow)	000 ⇔ 255	0-100%
36	White 2	000 ⇔ 255	0-100%
37	Dimmer 3	000 ⇔ 255	0-100%
38	Red 3 (Cyan)	000 ⇔ 255	0-100%
39	Green 3 (Magenta)	000 ⇔ 255	0-100%
40	Blue 3 (Yellow)	000 ⇔ 255	0-100%
41	White 3	000 ⇔ 255	0-100%
42	Dimmer 4	000 ⇔ 255	0-100%
43	Red 4 (Cyan)	000 ⇔ 255	0-100%
44	Green 4 (Magenta)	000 ⇔ 255	0-100%
45	Blue 4 (Yellow)	000 ⇔ 255	0-100%
46	White 4	000 ⇔ 255	0-100%
47	Dimmer 5	000 ⇔ 255	0-100%
48	Red 5 (Cyan)	000 ⇔ 255	0-100%
49	Green 5 (Magenta)	000 ⇔ 255	0-100%
50	Blue 5 (Yellow)	000 ⇔ 255	0-100%
51	White 5	000 ⇔ 255	0-100%

Channel	Function	Value	Percent/Setting
52	Dimmer 6	000 ⇔ 255	0-100%
53	Red 6 (Cyan)	000 ⇔ 255	0-100%
54	Green 6 (Magenta)	000 ⇔ 255	0-100%
55	Blue 6 (Yellow)	000 ⇔ 255	0-100%
56	White 6	000 ⇔ 255	0-100%
57	Dimmer 7	000 ⇔ 255	0-100%
58	Red 7 (Cyan)	000 ⇔ 255	0-100%
59	Green 7 (Magenta)	000 ⇔ 255	0-100%
60	Blue 7 (Yellow)	000 ⇔ 255	0-100%
61	White 7	000 ⇔ 255	0-100%
62	Dimmer 8	000 ⇔ 255	0-100%
63	Red 8 (Cyan)	000 ⇔ 255	0-100%
64	Green 8 (Magenta)	000 ⇔ 255	0-100%
65	Blue 8 (Yellow)	000 ⇔ 255	0-100%
66	White 8	000 ⇔ 255	0-100%
67	Dimmer 9	000 ⇔ 255	0-100%
68	Red 9 (Cyan)	000 ⇔ 255	0-100%
69	Green 9 (Magenta)	000 ⇔ 255	0-100%
70	Blue 9 (Yellow)	000 ⇔ 255	0-100%
71	White 9	000 ⇔ 255	0-100%

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Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0-100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0-100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	0-100%
6	Dimmer	000 ⇔ 255	0-100%
7	Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
8	Shutter	000 ⇔ 019	off
		020 ⇔ 024	on
		025 ⇔ 064	strobe 1 with decreasing speed
		065 ⇔ 069	on
		070 ⇔ 084	strobe 2 (fast on slow off) with decreasing speed
		085 ⇔ 089	on
		090 ⇔ 104	strobe 3 (slow on fast off) with decreasing speed
		105 ⇔ 109	on
		110 ⇔ 124	strobe 4 (random strobe) with decreasing speed
		125 ⇔ 129	on
		130 ⇔ 144	strobe 5 (random fast on slow off) with decreasing speed
		145 ⇔ 149	on
		150 ⇔ 164	strobe 6 (random slow on fast off) with decreasing speed
		165 ⇔ 169	on
170 ⇔ 184	strobe 7 (pulse strobe) with decreasing speed		
185 ⇔ 189	on		
190 ⇔ 204	strobe 8 (random pulse strobe) with decreasing speed		
205 ⇔ 209	on		
210 ⇔ 224	strobe 9 (fade on or off) with decreasing speed		
225 ⇔ 229	on		
230 ⇔ 244	strobe 10 (pulse strobe) with decreasing speed		
245 ⇔ 255	on		
9	CTC	000	No function
		001 ⇔ 255	2800 to 10,000K

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Channel	Function	Value	Percent/Setting				
10	Color	000	No function				
		001 ⇔ 002	2700K	R:156	G: 118	B: 0	W: 63
		003 ⇔ 004	3200K	R:156	G: 141	B: 5	W: 89
		005 ⇔ 006	4200K	R:156	G: 141	B: 14	W: 255
		007 ⇔ 008	5600K	R:156	G: 207	B: 54	W: 255
		009 ⇔ 010	8000K	R:130	G: 255	B: 96	W: 255
		11	Blue	R: 0	G: 0	B: 255	W: 0
		012 ⇔ 048		R: 0	G: +	B: 255	W: 0
		049	Cyan	R: 0	G: 255	B: 255	W: 0
		050 ⇔ 086		R: 0	G: 255	B: -	W: 0
		087	Green	R: 0	G: 255	B: 0	W: 0
		088 ⇔ 124		R: +	G: 255	B: 0	W: 0
		125	Yellow	R: 255	G: 255	B: 0	W: 0
		126 ⇔ 162		R: 255	G: -	B: 0	W: 0
		163	Red	R: 255	G: 0	B: 0	W: 0
		164 ⇔ 200		R: 255	G: 0	B: +	W: 0
		201	Magenta	R: 255	G: 0	B: 255	W: 0
		202 ⇔ 238		R: -	G: 0	B: 255	W: 0
		239	Blue	R: 0	G: 0	B: 255	W: 0
		240 ⇔ 247	Color change, fast to slow				
248 ⇔ 255	Color jump, fast to slow						
11	Gobo	000 ⇔ 003	No function				
		004 ⇔ 006	Gobo 1				
		007 ⇔ 009	Gobo 2				
		010 ⇔ 012	Gobo 3				
		013 ⇔ 015	Gobo 4				
		016 ⇔ 018	Gobo 5				
		019 ⇔ 021	Gobo 6				
		022 ⇔ 024	Gobo 7				
		025 ⇔ 027	Gobo 8				
		028 ⇔ 030	Gobo 9				
		031 ⇔ 033	No Gobo				
		034 ⇔ 036	Gobo 10				
		037 ⇔ 039	Gobo 11				
		040 ⇔ 042	Gobo 12				
		043 ⇔ 045	Gobo 13				
		046 ⇔ 048	Gobo 14				
		049 ⇔ 051	Gobo 15				
		052 ⇔ 054	Gobo 16				
		055 ⇔ 057	Gobo 17				
		058 ⇔ 060	Gobo 18				
		061 ⇔ 063	Gobo 19				
		064 ⇔ 066	Gobo 20				
		067 ⇔ 069	Gobo 21				
		070 ⇔ 072	Gobo 22				
		073 ⇔ 075	Gobo 23				
		076 ⇔ 078	Gobo 24				
		079 ⇔ 081	Gobo 25				
		082 ⇔ 084	Gobo 26				
		085 ⇔ 087	Gobo 27				
		088 ⇔ 090	Gobo 28				
		091 ⇔ 093	Gobo 29				
		094 ⇔ 096	Gobo 30				
		097 ⇔ 099	Gobo 31				
		100 ⇔ 102	Gobo 32				
		103 ⇔ 105	Gobo 33				
		106 ⇔ 108	Gobo 34				
		109 ⇔ 111	Gobo 35				
		112 ⇔ 114	Gobo 36				
		115 ⇔ 117	Gobo 37				
118 ⇔ 120	Gobo 38						
121 ⇔ 123	Gobo 39						

Channel	Function	Value	Percent/Setting
11 (cont.)	Gobo (cont.)	124 ⇄ 126	Gobo 40
		127 ⇄ 129	Gobo 41
		130 ⇄ 132	Gobo 42
		133 ⇄ 135	Gobo 43
		136 ⇄ 138	Gobo 44
		139 ⇄ 141	Gobo 45
		142 ⇄ 144	Gobo 46
		145 ⇄ 147	Gobo 47
		148 ⇄ 150	Gobo 48
		151 ⇄ 153	Gobo 49
		154 ⇄ 156	Gobo 50
		157 ⇄ 159	Gobo 51
		160 ⇄ 162	Gobo 52
		163 ⇄ 165	Gobo 53
		166 ⇄ 168	Gobo 54
		169 ⇄ 171	Gobo 55
		172 ⇄ 174	Gobo 56
		175 ⇄ 177	Gobo 57
		178 ⇄ 180	Gobo 58
		181 ⇄ 183	Gobo 59
		184 ⇄ 186	Gobo 60
		187 ⇄ 189	Gobo 61
		190 ⇄ 192	Gobo 62
		193 ⇄ 195	Gobo 63
		196 ⇄ 198	Gobo 64
		199 ⇄ 201	Gobo 65
		202 ⇄ 204	Gobo 66
		205 ⇄ 207	Gobo 67
		208 ⇄ 210	Gobo 68
		211 ⇄ 213	Gobo 69
		214 ⇄ 216	Gobo 70
		217 ⇄ 219	Gobo 71
		220 ⇄ 222	Gobo 72
		223 ⇄ 225	Gobo 73
226 ⇄ 228	Gobo 74		
229 ⇄ 231	Gobo 75		
232 ⇄ 234	Gobo 76		
235 ⇄ 237	Gobo 77		
238 ⇄ 240	Gobo 78		
241 ⇄ 243	Gobo 79		
244 ⇄ 246	Gobo 80		
247 ⇄ 249	Gobo 81		
250 ⇄ 252	Gobo 82		
253 ⇄ 255	Gobo 83		
12	LED Built-in	000 ⇄ 015	No function
		016 ⇄ 017	Built-in 1
		018 ⇄ 019	Built-in 2
		020 ⇄ 021	Built-in 3
		022 ⇄ 023	Built-in 4
		024 ⇄ 025	Built-in 5
		026 ⇄ 027	Built-in 6
		028 ⇄ 029	Built-in 7
		030 ⇄ 031	Built-in 8
		032 ⇄ 033	Built-in 9
		034 ⇄ 035	Built-in 10
		036 ⇄ 037	Built-in 11
		038 ⇄ 039	Built-in 12
		040 ⇄ 041	Built-in 13
		042 ⇄ 043	Built-in 14
		044 ⇄ 045	Built-in 15
		046 ⇄ 047	Built-in 16
		048 ⇄ 049	Built-in 17
		050 ⇄ 051	Built-in 18
		052 ⇄ 053	Built-in 19
054 ⇄ 055	Built-in 20		

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Channel	Function	Value	Percent/Setting
12 (cont.)	LED Built-in (cont.)	056 ⇄ 057	Built-in 21
		058 ⇄ 059	Built-in 22
		060 ⇄ 061	Built-in 23
		062 ⇄ 063	Built-in 24
		064 ⇄ 065	Built-in 25
		066 ⇄ 067	Built-in 26
		068 ⇄ 069	Built-in 27
		070 ⇄ 071	Built-in 28
		072 ⇄ 073	Built-in 29
		074 ⇄ 075	Built-in 30
		076 ⇄ 077	Built-in 31
		078 ⇄ 079	Built-in 32
		080 ⇄ 081	Built-in 33
		082 ⇄ 083	Built-in 34
		084 ⇄ 085	Built-in 35
		086 ⇄ 087	Built-in 36
		088 ⇄ 089	Built-in 37
		090 ⇄ 091	Built-in 38
		092 ⇄ 093	Built-in 39
		094 ⇄ 095	Built-in 40
		096 ⇄ 097	Built-in 41
		098 ⇄ 099	Built-in 42
		100 ⇄ 101	Built-in 43
		102 ⇄ 103	Built-in 44
		104 ⇄ 105	Built-in 45
		106 ⇄ 107	Built-in 46
		108 ⇄ 109	Built-in 47
		110 ⇄ 111	Built-in 48
		112 ⇄ 113	Built-in 49
		114 ⇄ 115	Built-in 50
		116 ⇄ 117	Built-in 51
		118 ⇄ 119	Built-in 52
		120 ⇄ 121	Built-in 53
		122 ⇄ 123	Built-in 54
		124 ⇄ 125	Built-in 55
126 ⇄ 127	Built-in 56		
128 ⇄ 135	Built-in 57		
136 ⇄ 137	Built-in 58		
138 ⇄ 139	Built-in 59		
140 ⇄ 141	Built-in 60		
142 ⇄ 143	Built-in 61		
144 ⇄ 145	Built-in 62		
146 ⇄ 147	Built-in 63		
148 ⇄ 149	Built-in 64		
150 ⇄ 151	Built-in 65		
152 ⇄ 153	Built-in 66		
154 ⇄ 155	Built-in 67		
156 ⇄ 157	Built-in 68		
158 ⇄ 159	Built-in 69		
160 ⇄ 161	Built-in 70		
162 ⇄ 163	Built-in 71		
164 ⇄ 165	Built-in 72		
166 ⇄ 167	Built-in 73		
168 ⇄ 169	Built-in 74		
170 ⇄ 171	Built-in 75		
172 ⇄ 173	Built-in 76		
174 ⇄ 175	Built-in 77		
176 ⇄ 177	Built-in 78		
178 ⇄ 179	Built-in 79		
180 ⇄ 181	Built-in 80		
182 ⇄ 183	Built-in 81		
184 ⇄ 185	Built-in 82		
186 ⇄ 187	Built-in 83		
188 ⇄ 189	Built-in 84		
190 ⇄ 191	Built-in 85		

Channel	Function	Value	Percent/Setting
12 (cont.)	LED Built-in (cont.)	192 ⇔ 193	Built-in 86
		194 ⇔ 195	Built-in 87
		196 ⇔ 197	Built-in 88
		198 ⇔ 199	Built-in 89
		200 ⇔ 201	Built-in 90
		202 ⇔ 203	Built-in 91
		204 ⇔ 205	Built-in 92
		206 ⇔ 207	Built-in 93
		208 ⇔ 209	Built-in 94
		210 ⇔ 211	Built-in 95
		212 ⇔ 213	Built-in 96
		214 ⇔ 215	Built-in 97
		216 ⇔ 217	Built-in 98
		218 ⇔ 219	Built-in 99
		220 ⇔ 221	Built-in 100
		222 ⇔ 223	Built-in 101
		224 ⇔ 225	Built-in 102
		226 ⇔ 227	Built-in 103
		228 ⇔ 229	Built-in 104
		230 ⇔ 231	Built-in 105
		232 ⇔ 233	Built-in 106
		234 ⇔ 235	Built-in 107
		236 ⇔ 237	Built-in 108
		238 ⇔ 239	Built-in 109
240 ⇔ 241	Built-in 110		
242 ⇔ 243	Built-in 111		
244 ⇔ 245	Built-in 112		
246 ⇔ 247	Built-in 113		
248 ⇔ 255	Built-in 114		
13	LED Built-in Speed	000 ⇔ 127 128 129 ⇔ 255	Clockwise fast to slow Stop Counter-clockwise slow to fast
14	LED Built-in Delay	000 ⇔ 255	Fast to slow
15	Background Color Macros	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		11	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
202 ⇔ 238	R: - G: 0 B: 255 W: 0		
239	Blue R: 0 G: 0 B: 255 W: 0		
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		
16	Background Color Dimmer	000 ⇔ 255	0-100%
17	Background Red	000 ⇔ 255	0-100%
18	Background Green	000 ⇔ 255	0-100%
19	Background Blue	000 ⇔ 255	0-100%
20	Background White	000 ⇔ 255	0-100%
21	Zoom	000 ⇔ 255	0-100%

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Channel	Function	Value	Percent/Setting
22	Control	001 ⇔ 009	No function
		010 ⇔ 014	Pan/Tilt blackout
		015 ⇔ 019	No function
		020 ⇔ 024	RGBW color mixing (5 sec.)
		025 ⇔ 029	CMY color mixing (5 sec.)
		030 ⇔ 034	No function
		035 ⇔ 039	No function
		040 ⇔ 044	No function
		045 ⇔ 049	No function
		050 ⇔ 054	Pan reset
		055 ⇔ 059	Tilt reset
		060 ⇔ 064	Zoom reset
		065 ⇔ 069	No function
		070 ⇔ 074	All reset
		075 ⇔ 079	No function
		080 ⇔ 084	Pan/Tilt reverse
		085 ⇔ 089	Pan reverse
		090 ⇔ 094	Tilt reverse
		095 ⇔ 099	Cancel pan reverse
		100 ⇔ 104	Cancel tilt reverse
		105 ⇔ 109	Cancel pan/tilt reverse
		110 ⇔ 114	No function
		115 ⇔ 119	No function
120 ⇔ 124	Fan low speed		
125 ⇔ 129	Fan full speed		
130 ⇔ 134	Fan auto		
135 ⇔ 139	Dimmer Fast mode		
140 ⇔ 144	Dimmer Smooth mode		
145 ⇔ 255	No function		
23	Red (Cyan)	000 ⇔ 255	0-100%
24	Green (Magenta)	000 ⇔ 255	0-100%
25	Blue (Yellow)	000 ⇔ 255	0-100%
26	White	000 ⇔ 255	0-100%
27	Red 1 (Cyan)	000 ⇔ 255	0-100%
28	Green 1 (Magenta)	000 ⇔ 255	0-100%
29	Blue 1 (Yellow)	000 ⇔ 255	0-100%
30	White 1	000 ⇔ 255	0-100%
31	Red 2 (Cyan)	000 ⇔ 255	0-100%
32	Green 2 (Magenta)	000 ⇔ 255	0-100%
33	Blue 2 (Yellow)	000 ⇔ 255	0-100%
34	White 2	000 ⇔ 255	0-100%
35	Red 3 (Cyan)	000 ⇔ 255	0-100%
36	Green 3 (Magenta)	000 ⇔ 255	0-100%
37	Blue 3 (Yellow)	000 ⇔ 255	0-100%
38	White 3	000 ⇔ 255	0-100%
39	Red 4 (Cyan)	000 ⇔ 255	0-100%
40	Green 4 (Magenta)	000 ⇔ 255	0-100%
41	Blue 4 (Yellow)	000 ⇔ 255	0-100%
42	White 4	000 ⇔ 255	0-100%
43	Red 5 (Cyan)	000 ⇔ 255	0-100%
44	Green 5 (Magenta)	000 ⇔ 255	0-100%
45	Blue 5 (Yellow)	000 ⇔ 255	0-100%
46	White 5	000 ⇔ 255	0-100%
47	Red 6 (Cyan)	000 ⇔ 255	0-100%
48	Green 6 (Magenta)	000 ⇔ 255	0-100%
49	Blue 6 (Yellow)	000 ⇔ 255	0-100%
50	White 6	000 ⇔ 255	0-100%
51	Red 7 (Cyan)	000 ⇔ 255	0-100%

Channel	Function	Value	Percent/Setting
52	Green 7 (Magenta)	000 ⇔ 255	0-100%
53	Blue 7 (Yellow)	000 ⇔ 255	0-100%
54	White 7	000 ⇔ 255	0-100%
55	Red 8 (Cyan)	000 ⇔ 255	0-100%
56	Green 8 (Magenta)	000 ⇔ 255	0-100%
57	Blue 8 (Yellow)	000 ⇔ 255	0-100%
58	White 8	000 ⇔ 255	0-100%
59	Red 9 (Cyan)	000 ⇔ 255	0-100%
60	Green 9 (Magenta)	000 ⇔ 255	0-100%
61	Blue 9 (Yellow)	000 ⇔ 255	0-100%
62	White 9	000 ⇔ 255	0-100%

21CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0-100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0-100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	0-100%
6	Dimmer	000 ⇔ 255	0-100%
7	Shutter	000 ⇔ 019	off
		020 ⇔ 024	on
		025 ⇔ 064	strobe 1 with decreasing speed
		065 ⇔ 069	on
		070 ⇔ 084	strobe 2 (fast on slow off) with decreasing speed
		085 ⇔ 089	on
		090 ⇔ 104	strobe 3 (slow on fast off) with decreasing speed
		105 ⇔ 109	on
		110 ⇔ 124	strobe 4 (random strobe) with decreasing speed
		125 ⇔ 129	on
		130 ⇔ 144	strobe 5 (random fast on slow off) with decreasing speed
		145 ⇔ 149	on
		150 ⇔ 164	strobe 6 (random slow on fast off) with decreasing speed
		165 ⇔ 169	on
170 ⇔ 184	strobe 7 (pulse strobe) with decreasing speed		
185 ⇔ 189	on		
190 ⇔ 204	strobe 8 (random pulse strobe) with decreasing speed		
205 ⇔ 209	on		
210 ⇔ 224	strobe 9 (fade on or off) with decreasing speed		
225 ⇔ 229	on		
230 ⇔ 244	strobe 10 (pulse strobe) with decreasing speed		
245 ⇔ 255	on		
8	CTC	000	No function
		001 ⇔ 255	2800 to 10,000K

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Channel	Function	Value	Percent/Setting				
9	Color	000	No function				
		001 ⇌ 002	2700K	R:156	G: 118	B: 0	W: 63
		003 ⇌ 004	3200K	R:156	G: 141	B: 5	W: 89
		005 ⇌ 006	4200K	R:156	G: 141	B: 14	W: 255
		007 ⇌ 008	5600K	R:156	G: 207	B: 54	W: 255
		009 ⇌ 010	8000K	R:130	G: 255	B: 96	W: 255
		11	Blue	R: 0	G: 0	B: 255	W: 0
		012 ⇌ 048		R: 0	G: +	B: 255	W: 0
		049	Cyan	R: 0	G: 255	B: 255	W: 0
		050 ⇌ 086		R: 0	G: 255	B: -	W: 0
		087	Green	R: 0	G: 255	B: 0	W: 0
		088 ⇌ 124		R: +	G: 255	B: 0	W: 0
		125	Yellow	R: 255	G: 255	B: 0	W: 0
		126 ⇌ 162		R: 255	G: -	B: 0	W: 0
		163	Red	R: 255	G: 0	B: 0	W: 0
		164 ⇌ 200		R: 255	G: 0	B: +	W: 0
		201	Magenta	R: 255	G: 0	B: 255	W: 0
		202 ⇌ 238		R: -	G: 0	B: 255	W: 0
		239	Blue	R: 0	G: 0	B: 255	W: 0
		240 ⇌ 247	Color change, fast to slow				
248 ⇌ 255	Color jump, fast to slow						
10	Gobo	000 ⇌ 003	No function				
		004 ⇌ 006	Gobo 1				
		007 ⇌ 009	Gobo 2				
		010 ⇌ 012	Gobo 3				
		013 ⇌ 015	Gobo 4				
		016 ⇌ 018	Gobo 5				
		019 ⇌ 021	Gobo 6				
		022 ⇌ 024	Gobo 7				
		025 ⇌ 027	Gobo 8				
		028 ⇌ 030	Gobo 9				
		031 ⇌ 033	No Gobo				
		034 ⇌ 036	Gobo 10				
		037 ⇌ 039	Gobo 11				
		040 ⇌ 042	Gobo 12				
		043 ⇌ 045	Gobo 13				
		046 ⇌ 048	Gobo 14				
		049 ⇌ 051	Gobo 15				
		052 ⇌ 054	Gobo 16				
		055 ⇌ 057	Gobo 17				
		058 ⇌ 060	Gobo 18				
		061 ⇌ 063	Gobo 19				
		064 ⇌ 066	Gobo 20				
		067 ⇌ 069	Gobo 21				
		070 ⇌ 072	Gobo 22				
		073 ⇌ 075	Gobo 23				
		076 ⇌ 078	Gobo 24				
		079 ⇌ 081	Gobo 25				
		082 ⇌ 084	Gobo 26				
		085 ⇌ 087	Gobo 27				
		088 ⇌ 090	Gobo 28				
		091 ⇌ 093	Gobo 29				
		094 ⇌ 096	Gobo 30				
		097 ⇌ 099	Gobo 31				
		100 ⇌ 102	Gobo 32				
		103 ⇌ 105	Gobo 33				
		106 ⇌ 108	Gobo 34				
		109 ⇌ 111	Gobo 35				
		112 ⇌ 114	Gobo 36				
		115 ⇌ 117	Gobo 37				
118 ⇌ 120	Gobo 38						
121 ⇌ 123	Gobo 39						

Channel	Function	Value	Percent/Setting
10 (cont.)	Gobo (cont.)	124 ⇄ 126	Gobo 40
		127 ⇄ 129	Gobo 41
		130 ⇄ 132	Gobo 42
		133 ⇄ 135	Gobo 43
		136 ⇄ 138	Gobo 44
		139 ⇄ 141	Gobo 45
		142 ⇄ 144	Gobo 46
		145 ⇄ 147	Gobo 47
		148 ⇄ 150	Gobo 48
		151 ⇄ 153	Gobo 49
		154 ⇄ 156	Gobo 50
		157 ⇄ 159	Gobo 51
		160 ⇄ 162	Gobo 52
		163 ⇄ 165	Gobo 53
		166 ⇄ 168	Gobo 54
		169 ⇄ 171	Gobo 55
		172 ⇄ 174	Gobo 56
		175 ⇄ 177	Gobo 57
		178 ⇄ 180	Gobo 58
		181 ⇄ 183	Gobo 59
		184 ⇄ 186	Gobo 60
		187 ⇄ 189	Gobo 61
		190 ⇄ 192	Gobo 62
		193 ⇄ 195	Gobo 63
		196 ⇄ 198	Gobo 64
		199 ⇄ 201	Gobo 65
		202 ⇄ 204	Gobo 66
		205 ⇄ 207	Gobo 67
		208 ⇄ 210	Gobo 68
		211 ⇄ 213	Gobo 69
		214 ⇄ 216	Gobo 70
		217 ⇄ 219	Gobo 71
		220 ⇄ 222	Gobo 72
		223 ⇄ 225	Gobo 73
226 ⇄ 228	Gobo 74		
229 ⇄ 231	Gobo 75		
232 ⇄ 234	Gobo 76		
235 ⇄ 237	Gobo 77		
238 ⇄ 240	Gobo 78		
241 ⇄ 243	Gobo 79		
244 ⇄ 246	Gobo 80		
247 ⇄ 249	Gobo 81		
250 ⇄ 252	Gobo 82		
253 ⇄ 255	Gobo 83		
11	LED Built-in	001 ⇄ 015	No function
		016 ⇄ 017	Built-in 1
		018 ⇄ 019	Built-in 2
		020 ⇄ 021	Built-in 3
		022 ⇄ 023	Built-in 4
		024 ⇄ 025	Built-in 5
		026 ⇄ 027	Built-in 6
		028 ⇄ 029	Built-in 7
		030 ⇄ 031	Built-in 8
		032 ⇄ 033	Built-in 9
		034 ⇄ 035	Built-in 10
		036 ⇄ 037	Built-in 11
		038 ⇄ 039	Built-in 12
		040 ⇄ 041	Built-in 13
		042 ⇄ 043	Built-in 14
		044 ⇄ 045	Built-in 15
		046 ⇄ 047	Built-in 16
		048 ⇄ 049	Built-in 17
		050 ⇄ 051	Built-in 18
		052 ⇄ 053	Built-in 19
054 ⇄ 055	Built-in 20		

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Channel	Function	Value	Percent/Setting
11 (cont.)	LED Built-in (cont.)	056 ⇄ 057	Built-in 21
		058 ⇄ 059	Built-in 22
		060 ⇄ 061	Built-in 23
		062 ⇄ 063	Built-in 24
		064 ⇄ 065	Built-in 25
		066 ⇄ 067	Built-in 26
		068 ⇄ 069	Built-in 27
		070 ⇄ 071	Built-in 28
		072 ⇄ 073	Built-in 29
		074 ⇄ 075	Built-in 30
		076 ⇄ 077	Built-in 31
		078 ⇄ 079	Built-in 32
		080 ⇄ 081	Built-in 33
		082 ⇄ 083	Built-in 34
		084 ⇄ 085	Built-in 35
		086 ⇄ 087	Built-in 36
		088 ⇄ 089	Built-in 37
		090 ⇄ 091	Built-in 38
		092 ⇄ 093	Built-in 39
		094 ⇄ 095	Built-in 40
		096 ⇄ 097	Built-in 41
		098 ⇄ 099	Built-in 42
		100 ⇄ 101	Built-in 43
		102 ⇄ 103	Built-in 44
		104 ⇄ 105	Built-in 45
		106 ⇄ 107	Built-in 46
		108 ⇄ 109	Built-in 47
		110 ⇄ 111	Built-in 48
		112 ⇄ 113	Built-in 49
		114 ⇄ 115	Built-in 50
		116 ⇄ 117	Built-in 51
		118 ⇄ 119	Built-in 52
		120 ⇄ 121	Built-in 53
		122 ⇄ 123	Built-in 54
		124 ⇄ 125	Built-in 55
		126 ⇄ 127	Built-in 56
128 ⇄ 135	Built-in 57		
136 ⇄ 137	Built-in 58		
138 ⇄ 139	Built-in 59		
140 ⇄ 141	Built-in 60		
142 ⇄ 143	Built-in 61		
144 ⇄ 145	Built-in 62		
146 ⇄ 147	Built-in 63		
148 ⇄ 149	Built-in 64		
150 ⇄ 151	Built-in 65		
152 ⇄ 153	Built-in 66		
154 ⇄ 155	Built-in 67		
156 ⇄ 157	Built-in 68		
158 ⇄ 159	Built-in 69		
160 ⇄ 161	Built-in 70		
162 ⇄ 163	Built-in 71		
164 ⇄ 165	Built-in 72		
166 ⇄ 167	Built-in 73		
168 ⇄ 169	Built-in 74		
170 ⇄ 171	Built-in 75		
172 ⇄ 173	Built-in 76		
174 ⇄ 175	Built-in 77		
176 ⇄ 177	Built-in 78		
178 ⇄ 179	Built-in 79		
180 ⇄ 181	Built-in 80		
182 ⇄ 183	Built-in 81		
184 ⇄ 185	Built-in 82		
186 ⇄ 187	Built-in 83		
188 ⇄ 189	Built-in 84		
190 ⇄ 191	Built-in 85		

Channel	Function	Value	Percent/Setting
11 (cont.)	LED Built-in (cont.)	192 ⇔ 193	Built-in 86
		194 ⇔ 195	Built-in 87
		196 ⇔ 197	Built-in 88
		198 ⇔ 199	Built-in 89
		200 ⇔ 201	Built-in 90
		202 ⇔ 203	Built-in 91
		204 ⇔ 205	Built-in 92
		206 ⇔ 207	Built-in 93
		208 ⇔ 209	Built-in 94
		210 ⇔ 211	Built-in 95
		212 ⇔ 213	Built-in 96
		214 ⇔ 215	Built-in 97
		216 ⇔ 217	Built-in 98
		218 ⇔ 219	Built-in 99
		220 ⇔ 221	Built-in 100
		222 ⇔ 223	Built-in 101
		224 ⇔ 225	Built-in 102
		226 ⇔ 227	Built-in 103
		228 ⇔ 229	Built-in 104
		230 ⇔ 231	Built-in 105
		232 ⇔ 233	Built-in 106
		234 ⇔ 235	Built-in 107
		236 ⇔ 237	Built-in 108
		238 ⇔ 239	Built-in 109
240 ⇔ 241	Built-in 110		
242 ⇔ 243	Built-in 111		
244 ⇔ 245	Built-in 112		
246 ⇔ 247	Built-in 113		
248 ⇔ 255	Built-in 114		
12	LED Built-in Speed	001 ⇔ 127 128 128 ⇔ 255	Clockwise fast to slow Stop Counter-clockwise slow to fast
13	LED Built-in Delay	000 ⇔ 255	Fast to slow
14	Background Color Macros	000	No function
		001 ⇔ 002	2700K R:156 G: 118 B: 0 W: 63
		003 ⇔ 004	3200K R:156 G: 141 B: 5 W: 89
		005 ⇔ 006	4200K R:156 G: 141 B: 14 W: 255
		007 ⇔ 008	5600K R:156 G: 207 B: 54 W: 255
		009 ⇔ 010	8000K R:130 G: 255 B: 96 W: 255
		11	Blue R: 0 G: 0 B: 255 W: 0
		012 ⇔ 048	R: 0 G: + B: 255 W: 0
		049	Cyan R: 0 G: 255 B: 255 W: 0
		050 ⇔ 086	R: 0 G: 255 B: - W: 0
		087	Green R: 0 G: 255 B: 0 W: 0
		088 ⇔ 124	R: + G: 255 B: 0 W: 0
		125	Yellow R: 255 G: 255 B: 0 W: 0
		126 ⇔ 162	R: 255 G: - B: 0 W: 0
		163	Red R: 255 G: 0 B: 0 W: 0
		164 ⇔ 200	R: 255 G: 0 B: + W: 0
		201	Magenta R: 255 G: 0 B: 255 W: 0
		202 ⇔ 238	R: - G: 0 B: 255 W: 0
239	Blue R: 0 G: 0 B: 255 W: 0		
240 ⇔ 247	Color change, fast to slow		
248 ⇔ 255	Color jump, fast to slow		
15	Background Color Dimmer	000 ⇔ 255	0-100%
16	Zoom	000 ⇔ 255	0-100%

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Channel	Function	Value	Percent/Setting
17	Control	001 ⇔ 009	No function
		010 ⇔ 014	Pan/Tilt blackout
		015 ⇔ 019	No function
		020 ⇔ 024	RGBW color mixing (5 sec.)
		025 ⇔ 029	CMY color mixing (5 sec.)
		030 ⇔ 034	No function
		035 ⇔ 039	No function
		040 ⇔ 044	No function
		045 ⇔ 049	No function
		050 ⇔ 054	Pan reset
		055 ⇔ 059	Tilt reset
		060 ⇔ 064	Zoom reset
		065 ⇔ 069	No function
		070 ⇔ 074	All reset
		075 ⇔ 079	No function
		080 ⇔ 084	Pan/Tilt reverse
		085 ⇔ 089	Pan reverse
		090 ⇔ 094	Tilt reverse
		095 ⇔ 099	Cancel pan reverse
		100 ⇔ 104	Cancel tilt reverse
		105 ⇔ 109	Cancel pan/tilt reverse
		110 ⇔ 114	No function
		115 ⇔ 119	No function
120 ⇔ 124	Fan low speed		
125 ⇔ 129	Fan full speed		
130 ⇔ 134	Fan auto		
135 ⇔ 139	Dimmer Fast mode		
140 ⇔ 144	Dimmer Smooth mode		
145 ⇔ 255	No function		
18	Red (Cyan)	000 ⇔ 255	0-100%
19	Green (Magenta)	000 ⇔ 255	0-100%
20	Blue (Yellow)	000 ⇔ 255	0-100%
21	White	000 ⇔ 255	0-100%