

QUICK REFERENCE GUIDE



Rogue Outcast 1 Beam Wash

DMX Values

Preset Color Chart

DMX Value	Function	Red Value	Green Value	Blue Value	White Value
005 ⇔ 009	Color 1	000	000	000	255
010 ⇔ 014	Color 2	255	235	053	000
015 ⇔ 019	Color 3	214	134	048	000
020 ⇔ 024	Color 4	255	000	044	000
025 ⇔ 029	Color 5	255	059	113	000
030 ⇔ 034	Color 6	255	138	219	000
035 ⇔ 039	Color 7	226	175	226	000
040 ⇔ 044	Color 8	040	001	255	000
045 ⇔ 049	Color 9	000	000	255	000
050 ⇔ 054	Color 10	000	078	255	000
055 ⇔ 059	Color 11	000	199	255	000
060 ⇔ 064	Color 12	000	255	234	000
065 ⇔ 069	Color 13	149	246	255	000
070 ⇔ 074	Color 14	137	255	227	000
075 ⇔ 079	Color 15	213	220	222	000
080 ⇔ 084	Color 16	219	232	175	000
085 ⇔ 089	Color 17	205	255	199	000
090 ⇔ 094	Color 18	115	255	163	000
095 ⇔ 099	Color 19	006	255	143	000
100 ⇔ 104	Color 20	000	255	094	000
105 ⇔ 109	Color 21	029	255	000	000
110 ⇔ 114	Color 22	032	223	000	000
115 ⇔ 119	Color 23	075	255	000	000
120 ⇔ 124	Color 24	080	232	000	000
125 ⇔ 129	Color 25	108	226	000	000
130 ⇔ 134	Color 26	145	194	000	000
135 ⇔ 139	Color 27	210	255	000	000
140 ⇔ 144	Color 28	225	232	000	000
145 ⇔ 149	Color 29	023	215	000	000
150 ⇔ 154	Color 30	247	214	000	000
155 ⇔ 159	Color 31	255	163	000	000
160 ⇔ 164	Color 32	255	152	000	000
165 ⇔ 169	Color 33	255	108	000	000
170 ⇔ 174	Color 34	255	255	255	255

Background Color Chart

DMX Value	Function	Red Value	Green Value	Blue Value	White Value
001 ⇔ 002	2700K white	156	118	000	063
003 ⇔ 004	3200K white	156	141	005	089
005 ⇔ 006	4200K white	156	141	014	255
007 ⇔ 008	5600K white	156	207	054	255
009 ⇔ 010	8000K white	130	255	096	255
011	Blue	000	000	255	000
012 ⇔ 048	Green increases	000	001–254	255	000
049	Cyan	000	255	255	000
050 ⇔ 086	Blue decreases	000	255	254–001	000
87	Green	000	255	000	000
088 ⇔ 124	Red increases	001–254	255	000	000
125	Yellow	255	255	000	000
126 ⇔ 162	Green decreases	255	254–001	000	000
163	Red	255	000	000	000
164 ⇔ 200	Blue increases	255	000	001–254	000
201	Magenta	255	000	255	000
202 ⇔ 238	Red decreases	254–001	000	255	000
239	Blue	000	000	255	000

135CH

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	Fast to slow
6	CTC	000	No function
		001 ⇔ 255	Color temperature, 19000–2700K
7	Ring preset color	000 ⇔ 004	No function
		005 ⇔ 174	Color 1–34 (see Preset Color Chart [no white])
		175 ⇔ 179	No function
		180 ⇔ 201	Color fade, fast to slow
		202 ⇔ 207	Stop
		208 ⇔ 229	Reverse color fade, fast to slow
		230 ⇔ 234	No function
		235 ⇔ 249	Color jump, fast to slow
250 ⇔ 255	No function		
8	Center preset color	000 ⇔ 004	No function
		005 ⇔ 174	Color 1–34 (see Preset Color Chart)
		175 ⇔ 179	No function
		180 ⇔ 201	Color fade, fast to slow
		202 ⇔ 207	Stop
		208 ⇔ 229	Reverse color fade, fast to slow
		230 ⇔ 234	No function
		235 ⇔ 249	Color jump, fast to slow
250 ⇔ 255	No function		
9	Pattern	000	No function
		001 ⇔ 255	Pattern 1–255

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Channel	Function	Value	Percent/Setting
10	LED macro	000 ⇔ 005	No function
		006 ⇔ 010	LED macro 1
		011 ⇔ 015	LED macro 2
		016 ⇔ 020	LED macro 3
		021 ⇔ 025	LED macro 4
		026 ⇔ 030	LED macro 5
		031 ⇔ 035	LED macro 6
		036 ⇔ 040	LED macro 7
		041 ⇔ 045	LED macro 8
		046 ⇔ 050	LED macro 9
		051 ⇔ 055	LED macro 10
		056 ⇔ 060	LED macro 11
		061 ⇔ 065	LED macro 12
		066 ⇔ 070	LED macro 13
		071 ⇔ 075	LED macro 14
		076 ⇔ 080	LED macro 15
		081 ⇔ 085	LED macro 16
		086 ⇔ 090	LED macro 17
		091 ⇔ 095	LED macro 18
		096 ⇔ 100	LED macro 19
		101 ⇔ 105	LED macro 20
		106 ⇔ 110	LED macro 21
		111 ⇔ 115	LED macro 22
		116 ⇔ 120	LED macro 23
		121 ⇔ 125	LED macro 24
		126 ⇔ 130	LED macro 25
		131 ⇔ 135	LED macro 26
		136 ⇔ 140	LED macro 27
		141 ⇔ 145	LED macro 28
		146 ⇔ 150	LED macro 29
		151 ⇔ 155	LED macro 30
		156 ⇔ 160	LED macro 31
161 ⇔ 165	LED macro 32		
166 ⇔ 170	LED macro 33		
171 ⇔ 175	LED macro 34		
176 ⇔ 180	LED macro 35		
181 ⇔ 185	LED macro 36		
186 ⇔ 190	LED macro 37		
191 ⇔ 195	LED macro 38		
199 ⇔ 200	LED macro 39		
201 ⇔ 205	LED macro 40		
206 ⇔ 210	LED macro 41		
211 ⇔ 215	LED macro 42		
216 ⇔ 255	No function		
11	LED macro speed	000 ⇔ 127 128 129 ⇔ 255	LED macro speed, fast to slow Stop Reverse LED macro, slow to fast
12	LED macro delay	000 ⇔ 255	LED macro delay, fast to slow
13	Background color	000 001 ⇔ 239 240 ⇔ 247 248 ⇔ 255	No function Background colors (see Background Color Chart) Color fade, fast to slow Color jump, fast to slow
14	Background dimmer	000 ⇔ 255	0–100%
15	Bg. fine dimmer	000 ⇔ 255	Fine control (16-bit)
16	Master dimmer	000 ⇔ 255	0–100%
17	Master fine dimmer	000 ⇔ 255	Fine control (16-bit)

Channel	Function	Value	Percent/Setting
18	Ring strobe	000 ⇄ 019	Off
		020 ⇄ 024	On
		025 ⇄ 069	Strobe, fast to slow
		070 ⇄ 089	Fading strobe 100–0%, fast to slow
		090 ⇄ 109	Fading strobe 0–100%, fast to slow
		110 ⇄ 129	Random strobe, fast to slow
		130 ⇄ 149	Random fading strobe 100–0%, fast to slow
		150 ⇄ 169	Random fading strobe 0–100%, fast to slow
		170 ⇄ 189	Pulse strobe, fast to slow
		190 ⇄ 209	Random pulse strobe, fast to slow
		210 ⇄ 229	Fading strobe 100–0–100%, fast to slow
		230 ⇄ 244	Random pulse strobe, fast to slow
		245 ⇄ 255	On
19	Center strobe	000 ⇄ 019	Off
		020 ⇄ 024	On
		025 ⇄ 069	Strobe, fast to slow
		070 ⇄ 089	Fading strobe 100–0%, fast to slow
		090 ⇄ 109	Fading strobe 0–100%, fast to slow
		110 ⇄ 129	Random strobe, fast to slow
		130 ⇄ 149	Random fading strobe 100–0%, fast to slow
		150 ⇄ 169	Random fading strobe 0–100%, fast to slow
		170 ⇄ 189	Pulse strobe, fast to slow
		190 ⇄ 209	Random pulse strobe, fast to slow
20	Zoom	210 ⇄ 229	Fading strobe 100–0–100%, fast to slow
		230 ⇄ 244	Random pulse strobe, fast to slow
		245 ⇄ 255	On
		000 ⇄ 255	Zoom in to zoom out
21	Control (*Activates in 5 seconds)	000 ⇄ 009	No function
		010 ⇄ 014	Blackout on pan/tilt
		015 ⇄ 029	Reserved for future use
		030 ⇄ 034	Synchronize ring and center LEDs*
		035 ⇄ 039	De-synchronize ring and center LEDs*
		040 ⇄ 044	Defrost fan on
		045 ⇄ 049	Defrost fan off
		050 ⇄ 054	Reset pan*
		055 ⇄ 059	Reset tilt*
		060 ⇄ 064	Reset zoom
		065 ⇄ 069	Reserved for future use
		070 ⇄ 074	Reset all*
		075 ⇄ 119	Reserved for future use
		120 ⇄ 124	Fan mode ECO*
		125 ⇄ 129	Fan mode Full*
		130 ⇄ 134	Fan mode Auto*
		135 ⇄ 139	Dimmer mode fast*
		140 ⇄ 144	Dimmer mode smooth*
		145 ⇄ 149	Linear dimmer curve
		150 ⇄ 154	Square dimmer curve
		155 ⇄ 159	Inverse square dimmer curve
		160 ⇄ 164	S-curve dimmer curve
		165 ⇄ 169	WHITE mode
		170 ⇄ 174	FULL mode
		175 ⇄ 179	Single-color calibration off
		180 ⇄ 184	Single-color calibration on
185 ⇄ 239	No function		
240 ⇄ 247	Calibration on		
248 ⇄ 255	Calibration off		
22	Red	000 ⇄ 255	0–100%

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Channel	Function	Value	Percent/Setting
23	Fine red	000 ⇔ 255	Fine control (16-bit)
24	Green	000 ⇔ 255	0–100%
25	Fine green	000 ⇔ 255	Fine control (16-bit)
26	Blue	000 ⇔ 255	0–100%
27	Fine blue	000 ⇔ 255	Fine control (16-bit)
28	White	000 ⇔ 255	0–100%
29	Fine white	000 ⇔ 255	Fine control (16-bit)
30	Dimmer 1	000 ⇔ 255	0–100%
31	Fine dimmer 1	000 ⇔ 255	Fine control (16-bit)
32	Red 1	000 ⇔ 255	0–100%
33	Fine red 1	000 ⇔ 255	Fine control (16-bit)
34	Green 1	000 ⇔ 255	0–100%
35	Fine green 1	000 ⇔ 255	Fine control (16-bit)
36	Blue 1	000 ⇔ 255	0–100%
37	Fine blue 1	000 ⇔ 255	Fine control (16-bit)
38	Dimmer 2	000 ⇔ 255	0–100%
39	Fine dimmer 2	000 ⇔ 255	Fine control (16-bit)
40	Red 2	000 ⇔ 255	0–100%
41	Fine red 2	000 ⇔ 255	Fine control (16-bit)
42	Green 2	000 ⇔ 255	0–100%
43	Fine green 2	000 ⇔ 255	Fine control (16-bit)
44	Blue 2	000 ⇔ 255	0–100%
45	Fine blue 2	000 ⇔ 255	Fine control (16-bit)
46	Dimmer 3	000 ⇔ 255	0–100%
47	Fine dimmer 3	000 ⇔ 255	Fine control (16-bit)
48	Red 3	000 ⇔ 255	0–100%
49	Fine red 3	000 ⇔ 255	Fine control (16-bit)
50	Green 3	000 ⇔ 255	0–100%
51	Fine green 3	000 ⇔ 255	Fine control (16-bit)
52	Blue 3	000 ⇔ 255	0–100%
53	Fine blue 3	000 ⇔ 255	Fine control (16-bit)
54	Dimmer 4	000 ⇔ 255	0–100%
55	Fine dimmer 4	000 ⇔ 255	Fine control (16-bit)
56	Red 4	000 ⇔ 255	0–100%
57	Fine red 4	000 ⇔ 255	Fine control (16-bit)
58	Green 4	000 ⇔ 255	0–100%
59	Fine green 4	000 ⇔ 255	Fine control (16-bit)
60	Blue 4	000 ⇔ 255	0–100%
61	Fine blue 4	000 ⇔ 255	Fine control (16-bit)
62	Dimmer 5	000 ⇔ 255	0–100%
63	Fine dimmer 5	000 ⇔ 255	Fine control (16-bit)
64	Red 5	000 ⇔ 255	0–100%
65	Fine red 5	000 ⇔ 255	Fine control (16-bit)
66	Green 5	000 ⇔ 255	0–100%
67	Fine green 5	000 ⇔ 255	Fine control (16-bit)
68	Blue 5	000 ⇔ 255	0–100%
69	Fine blue 5	000 ⇔ 255	Fine control (16-bit)
70	Dimmer 6	000 ⇔ 255	0–100%
71	Fine dimmer 6	000 ⇔ 255	Fine control (16-bit)
72	Red 6	000 ⇔ 255	0–100%
73	Fine red 6	000 ⇔ 255	Fine control (16-bit)
74	Green 6	000 ⇔ 255	0–100%
75	Fine green 6	000 ⇔ 255	Fine control (16-bit)
76	Blue 6	000 ⇔ 255	0–100%
77	Fine blue 6	000 ⇔ 255	Fine control (16-bit)
78	Dimmer 7	000 ⇔ 255	0–100%
79	Fine dimmer 7	000 ⇔ 255	Fine control (16-bit)

Channel	Function	Value	Percent/Setting
80	Red 7	000 ⇄ 255	0–100%
81	Fine red 7	000 ⇄ 255	Fine control (16-bit)
82	Green 7	000 ⇄ 255	0–100%
83	Fine green 7	000 ⇄ 255	Fine control (16-bit)
84	Blue 7	000 ⇄ 255	0–100%
85	Fine blue 7	000 ⇄ 255	Fine control (16-bit)
86	Dimmer 8	000 ⇄ 255	0–100%
87	Fine dimmer 8	000 ⇄ 255	Fine control (16-bit)
88	Red 8	000 ⇄ 255	0–100%
89	Fine red 8	000 ⇄ 255	Fine control (16-bit)
90	Green 8	000 ⇄ 255	0–100%
91	Fine green 8	000 ⇄ 255	Fine control (16-bit)
92	Blue 8	000 ⇄ 255	0–100%
93	Fine blue 8	000 ⇄ 255	Fine control (16-bit)
94	Dimmer 9	000 ⇄ 255	0–100%
95	Fine dimmer 9	000 ⇄ 255	Fine control (16-bit)
96	Red 9	000 ⇄ 255	0–100%
97	Fine red 9	000 ⇄ 255	Fine control (16-bit)
98	Green 9	000 ⇄ 255	0–100%
99	Fine green 9	000 ⇄ 255	Fine control (16-bit)
100	Blue 9	000 ⇄ 255	0–100%
101	Fine blue 9	000 ⇄ 255	Fine control (16-bit)
102	Dimmer 10	000 ⇄ 255	0–100%
103	Fine dimmer 10	000 ⇄ 255	Fine control (16-bit)
104	Red 10	000 ⇄ 255	0–100%
105	Fine red 10	000 ⇄ 255	Fine control (16-bit)
106	Green 10	000 ⇄ 255	0–100%
107	Fine green 10	000 ⇄ 255	Fine control (16-bit)
108	Blue 10	000 ⇄ 255	0–100%
109	Fine blue 10	000 ⇄ 255	Fine control (16-bit)
110	Dimmer 11	000 ⇄ 255	0–100%
111	Fine dimmer 11	000 ⇄ 255	Fine control (16-bit)
112	Red 11	000 ⇄ 255	0–100%
113	Fine red 11	000 ⇄ 255	Fine control (16-bit)
114	Green 11	000 ⇄ 255	0–100%
115	Fine green 11	000 ⇄ 255	Fine control (16-bit)
116	Blue 11	000 ⇄ 255	0–100%
117	Fine blue 11	000 ⇄ 255	Fine control (16-bit)
118	Dimmer 12	000 ⇄ 255	0–100%
119	Fine dimmer 12	000 ⇄ 255	Fine control (16-bit)
120	Red 12	000 ⇄ 255	0–100%
121	Fine red 12	000 ⇄ 255	Fine control (16-bit)
122	Green 12	000 ⇄ 255	0–100%
123	Fine green 12	000 ⇄ 255	Fine control (16-bit)
124	Blue 12	000 ⇄ 255	0–100%
125	Fine blue 12	000 ⇄ 255	Fine control (16-bit)
126	Center dimmer	000 ⇄ 255	0–100%
127	Center fine dimmer	000 ⇄ 255	Fine control (16-bit)
128	Center red	000 ⇄ 255	0–100%
129	Center fine red	000 ⇄ 255	Fine control (16-bit)
130	Center green	000 ⇄ 255	0–100%
131	Center fine green	000 ⇄ 255	Fine control (16-bit)
132	Center blue	000 ⇄ 255	0–100%
133	Center fine blue	000 ⇄ 255	Fine control (16-bit)
134	Center white	000 ⇄ 255	0–100%
135	Center fine white	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	Fast to slow
6	CTC	000	No function
		001 ⇔ 255	Color temperature, 19000–2700K
7	Ring preset color	000 ⇔ 004	No function
		005 ⇔ 174	Color 1–34 (see Preset Color Chart [no white])
		175 ⇔ 179	No function
		180 ⇔ 201	Color fade, fast to slow
		202 ⇔ 207	Stop
		208 ⇔ 229	Reverse color fade, fast to slow
		230 ⇔ 234	No function
		235 ⇔ 249	Color jump, fast to slow
8	Center preset color	000 ⇔ 004	No function
		005 ⇔ 174	Color 1–34 (see Preset Color Chart)
		175 ⇔ 179	No function
		180 ⇔ 201	Color fade, fast to slow
		202 ⇔ 207	Stop
		208 ⇔ 229	Reverse color fade, fast to slow
		230 ⇔ 234	No function
		235 ⇔ 249	Color jump, fast to slow
9	Pattern	000	No function
		001 ⇔ 255	Pattern 1–255

Channel	Function	Value	Percent/Setting
10	LED macro	000 ⇔ 005	No function
		006 ⇔ 010	LED macro 1
		011 ⇔ 015	LED macro 2
		016 ⇔ 020	LED macro 3
		021 ⇔ 025	LED macro 4
		026 ⇔ 030	LED macro 5
		031 ⇔ 035	LED macro 6
		036 ⇔ 040	LED macro 7
		041 ⇔ 045	LED macro 8
		046 ⇔ 050	LED macro 9
		051 ⇔ 055	LED macro 10
		056 ⇔ 060	LED macro 11
		061 ⇔ 065	LED macro 12
		066 ⇔ 070	LED macro 13
		071 ⇔ 075	LED macro 14
		076 ⇔ 080	LED macro 15
		081 ⇔ 085	LED macro 16
		086 ⇔ 090	LED macro 17
		091 ⇔ 095	LED macro 18
		096 ⇔ 100	LED macro 19
		101 ⇔ 105	LED macro 20
		106 ⇔ 110	LED macro 21
		111 ⇔ 115	LED macro 22
		116 ⇔ 120	LED macro 23
		121 ⇔ 125	LED macro 24
		126 ⇔ 130	LED macro 25
		131 ⇔ 135	LED macro 26
		136 ⇔ 140	LED macro 27
		141 ⇔ 145	LED macro 28
		146 ⇔ 150	LED macro 29
		151 ⇔ 155	LED macro 30
		156 ⇔ 160	LED macro 31
161 ⇔ 165	LED macro 32		
166 ⇔ 170	LED macro 33		
171 ⇔ 175	LED macro 34		
176 ⇔ 180	LED macro 35		
181 ⇔ 185	LED macro 36		
186 ⇔ 190	LED macro 37		
191 ⇔ 195	LED macro 38		
199 ⇔ 200	LED macro 39		
201 ⇔ 205	LED macro 40		
206 ⇔ 210	LED macro 41		
211 ⇔ 215	LED macro 42		
216 ⇔ 255	No function		
11	LED macro speed	000 ⇔ 127 128 129 ⇔ 255	LED macro speed, fast to slow Stop Reverse LED macro, slow to fast
12	LED macro delay	000 ⇔ 255	LED macro delay, fast to slow
13	Background color	000	No function
		001 ⇔ 239	Background colors (see Background Color Chart)
		240 ⇔ 247 248 ⇔ 255	Color fade, fast to slow Color jump, fast to slow
14	Background dimmer	000 ⇔ 255	0–100%
15	Bg. fine dimmer	000 ⇔ 255	Fine control (16-bit)
16	Ring dimmer	000 ⇔ 255	0–100%
17	Ring fine dimmer	000 ⇔ 255	Fine control (16-bit)
18	Center dimmer	000 ⇔ 255	0–100%

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Channel	Function	Value	Percent/Setting
19	Center fine dimmer	000 ⇄ 255	Fine control (16-bit)
20	Ring strobe	000 ⇄ 019	Off
		020 ⇄ 024	On
		025 ⇄ 069	Strobe, fast to slow
		070 ⇄ 089	Fading strobe 100–0%, fast to slow
		090 ⇄ 109	Fading strobe 0–100%, fast to slow
		110 ⇄ 129	Random strobe, fast to slow
		130 ⇄ 149	Random fading strobe 100–0%, fast to slow
		150 ⇄ 169	Random fading strobe 0–100%, fast to slow
		170 ⇄ 189	Pulse strobe, fast to slow
		190 ⇄ 209	Random pulse strobe, fast to slow
		210 ⇄ 229	Fading strobe 100–0–100%, fast to slow
		230 ⇄ 244	Random pulse strobe, fast to slow
245 ⇄ 255	On		
21	Center strobe	000 ⇄ 019	Off
		020 ⇄ 024	On
		025 ⇄ 069	Strobe, fast to slow
		070 ⇄ 089	Fading strobe 100–0%, fast to slow
		090 ⇄ 109	Fading strobe 0–100%, fast to slow
		110 ⇄ 129	Random strobe, fast to slow
		130 ⇄ 149	Random fading strobe 100–0%, fast to slow
		150 ⇄ 169	Random fading strobe 0–100%, fast to slow
		170 ⇄ 189	Pulse strobe, fast to slow
		190 ⇄ 209	Random pulse strobe, fast to slow
		210 ⇄ 229	Fading strobe 100–0–100%, fast to slow
		230 ⇄ 244	Random pulse strobe, fast to slow
245 ⇄ 255	On		
22	Zoom	000 ⇄ 255	Zoom in to zoom out
23	Control (*Activates in 5 seconds)	000 ⇄ 009	No function
		010 ⇄ 014	Blackout on pan/tilt
		015 ⇄ 029	Reserved for future use
		030 ⇄ 034	Synchronize ring and center LEDs*
		035 ⇄ 039	De-synchronize ring and center LEDs*
		040 ⇄ 044	Defrost fan on
		045 ⇄ 049	Defrost fan off
		050 ⇄ 054	Reset pan*
		055 ⇄ 059	Reset tilt*
		060 ⇄ 064	Reset zoom
		065 ⇄ 069	Reserved for future use
		070 ⇄ 074	Reset all*
		075 ⇄ 119	Reserved for future use
		120 ⇄ 124	Fan mode ECO*
		125 ⇄ 129	Fan mode Full*
		130 ⇄ 134	Fan mode Auto*
		135 ⇄ 139	Dimmer mode fast*
		140 ⇄ 144	Dimmer mode smooth*
		145 ⇄ 149	Linear dimmer curve
		150 ⇄ 154	Square dimmer curve
		155 ⇄ 159	Inverse square dimmer curve
		160 ⇄ 164	S-curve dimmer curve
		165 ⇄ 169	WHITE mode
		170 ⇄ 174	FULL mode
		175 ⇄ 179	Single-color calibration off
		180 ⇄ 184	Single-color calibration on
		185 ⇄ 239	No function
		240 ⇄ 247	Calibration on
		248 ⇄ 255	Calibration off

Channel	Function	Value	Percent/Setting
24	Red	000 ⇄ 255	0–100%
25	Fine red	000 ⇄ 255	Fine control (16-bit)
26	Green	000 ⇄ 255	0–100%
27	Fine green	000 ⇄ 255	Fine control (16-bit)
28	Blue	000 ⇄ 255	0–100%
29	Fine blue	000 ⇄ 255	Fine control (16-bit)
30	White	000 ⇄ 255	0–100%
31	Fine white	000 ⇄ 255	Fine control (16-bit)
32	Red 1	000 ⇄ 255	0–100%
33	Fine red 1	000 ⇄ 255	Fine control (16-bit)
34	Green 1	000 ⇄ 255	0–100%
35	Fine green 1	000 ⇄ 255	Fine control (16-bit)
36	Blue 1	000 ⇄ 255	0–100%
37	Fine blue 1	000 ⇄ 255	Fine control (16-bit)
38	Red 2	000 ⇄ 255	0–100%
39	Fine red 2	000 ⇄ 255	Fine control (16-bit)
40	Green 2	000 ⇄ 255	0–100%
41	Fine green 2	000 ⇄ 255	Fine control (16-bit)
42	Blue 2	000 ⇄ 255	0–100%
43	Fine blue 2	000 ⇄ 255	Fine control (16-bit)
44	Red 3	000 ⇄ 255	0–100%
45	Fine red 3	000 ⇄ 255	Fine control (16-bit)
46	Green 3	000 ⇄ 255	0–100%
47	Fine green 3	000 ⇄ 255	Fine control (16-bit)
48	Blue 3	000 ⇄ 255	0–100%
49	Fine blue 3	000 ⇄ 255	Fine control (16-bit)
50	Red 4	000 ⇄ 255	0–100%
51	Fine red 4	000 ⇄ 255	Fine control (16-bit)
52	Green 4	000 ⇄ 255	0–100%
53	Fine green 4	000 ⇄ 255	Fine control (16-bit)
54	Blue 4	000 ⇄ 255	0–100%
55	Fine blue 4	000 ⇄ 255	Fine control (16-bit)
56	Red 5	000 ⇄ 255	0–100%
57	Fine red 5	000 ⇄ 255	Fine control (16-bit)
58	Green 5	000 ⇄ 255	0–100%
59	Fine green 5	000 ⇄ 255	Fine control (16-bit)
60	Blue 5	000 ⇄ 255	0–100%
61	Fine blue 5	000 ⇄ 255	Fine control (16-bit)
62	Red 6	000 ⇄ 255	0–100%
63	Fine red 6	000 ⇄ 255	Fine control (16-bit)
64	Green 6	000 ⇄ 255	0–100%
65	Fine green 6	000 ⇄ 255	Fine control (16-bit)
66	Blue 6	000 ⇄ 255	0–100%
67	Fine blue 6	000 ⇄ 255	Fine control (16-bit)
68	Red 7	000 ⇄ 255	0–100%
69	Fine red 7	000 ⇄ 255	Fine control (16-bit)
70	Green 7	000 ⇄ 255	0–100%
71	Fine green 7	000 ⇄ 255	Fine control (16-bit)
72	Blue 7	000 ⇄ 255	0–100%
73	Fine blue 7	000 ⇄ 255	Fine control (16-bit)
74	Red 8	000 ⇄ 255	0–100%
75	Fine red 8	000 ⇄ 255	Fine control (16-bit)
76	Green 8	000 ⇄ 255	0–100%
77	Fine green 8	000 ⇄ 255	Fine control (16-bit)
78	Blue 8	000 ⇄ 255	0–100%
79	Fine blue 8	000 ⇄ 255	Fine control (16-bit)
80	Red 9	000 ⇄ 255	0–100%

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Channel	Function	Value	Percent/Setting
81	Fine red 9	000 ⇔ 255	Fine control (16-bit)
82	Green 9	000 ⇔ 255	0–100%
83	Fine green 9	000 ⇔ 255	Fine control (16-bit)
84	Blue 9	000 ⇔ 255	0–100%
85	Fine blue 9	000 ⇔ 255	Fine control (16-bit)
86	Red 10	000 ⇔ 255	0–100%
87	Fine red 10	000 ⇔ 255	Fine control (16-bit)
88	Green 10	000 ⇔ 255	0–100%
89	Fine green 10	000 ⇔ 255	Fine control (16-bit)
90	Blue 10	000 ⇔ 255	0–100%
91	Fine blue 10	000 ⇔ 255	Fine control (16-bit)
92	Red 11	000 ⇔ 255	0–100%
93	Fine red 11	000 ⇔ 255	Fine control (16-bit)
94	Green 11	000 ⇔ 255	0–100%
95	Fine green 11	000 ⇔ 255	Fine control (16-bit)
96	Blue 11	000 ⇔ 255	0–100%
97	Fine blue 11	000 ⇔ 255	Fine control (16-bit)
98	Red 12	000 ⇔ 255	0–100%
99	Fine red 12	000 ⇔ 255	Fine control (16-bit)
100	Green 12	000 ⇔ 255	0–100%
101	Fine green 12	000 ⇔ 255	Fine control (16-bit)
102	Blue 12	000 ⇔ 255	0–100%
103	Fine blue 12	000 ⇔ 255	Fine control (16-bit)
104	Center red	000 ⇔ 255	0–100%
105	Center fine red	000 ⇔ 255	Fine control (16-bit)
106	Center green	000 ⇔ 255	0–100%
107	Center fine green	000 ⇔ 255	Fine control (16-bit)
108	Center blue	000 ⇔ 255	0–100%
109	Center fine blue	000 ⇔ 255	Fine control (16-bit)
110	Center white	000 ⇔ 255	0–100%
111	Center fine white	000 ⇔ 255	Fine control (16-bit)

64CH

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	Fast to slow
6	CTC	000	No function
		001 ⇔ 255	Color temperature, 19000–2700K
7	Ring preset color	000 ⇔ 004	No function
		005 ⇔ 174	Color 1–34 (see Preset Color Chart [no white])
		175 ⇔ 179	No function
		180 ⇔ 201	Color fade, fast to slow
		202 ⇔ 207	Stop
		208 ⇔ 229	Reverse color fade, fast to slow
		230 ⇔ 234	No function
		235 ⇔ 249	Color jump, fast to slow
		250 ⇔ 255	No function

Channel	Function	Value	Percent/Setting
8	Center preset color	000 ⇔ 004	No function
		005 ⇔ 174	Color 1–34 (see Preset Color Chart)
		175 ⇔ 179	No function
		180 ⇔ 201	Color fade, fast to slow
		202 ⇔ 207	Stop
		208 ⇔ 229	Reverse color fade, fast to slow
		230 ⇔ 234	No function
		235 ⇔ 249	Color jump, fast to slow
		250 ⇔ 255	No function
9	Pattern	000	No function
		001 ⇔ 255	Pattern 1–255
10	LED macro	000 ⇔ 005	No function
		006 ⇔ 010	LED macro 1
		011 ⇔ 015	LED macro 2
		016 ⇔ 020	LED macro 3
		021 ⇔ 025	LED macro 4
		026 ⇔ 030	LED macro 5
		031 ⇔ 035	LED macro 6
		036 ⇔ 040	LED macro 7
		041 ⇔ 045	LED macro 8
		046 ⇔ 050	LED macro 9
		051 ⇔ 055	LED macro 10
		056 ⇔ 060	LED macro 11
		061 ⇔ 065	LED macro 12
		066 ⇔ 070	LED macro 13
		071 ⇔ 075	LED macro 14
		076 ⇔ 080	LED macro 15
		081 ⇔ 085	LED macro 16
		086 ⇔ 090	LED macro 17
		091 ⇔ 095	LED macro 18
		096 ⇔ 100	LED macro 19
		101 ⇔ 105	LED macro 20
		106 ⇔ 110	LED macro 21
		111 ⇔ 115	LED macro 22
		116 ⇔ 120	LED macro 23
		121 ⇔ 125	LED macro 24
		126 ⇔ 130	LED macro 25
		131 ⇔ 135	LED macro 26
		136 ⇔ 140	LED macro 27
		141 ⇔ 145	LED macro 28
		146 ⇔ 150	LED macro 29
		151 ⇔ 155	LED macro 30
		156 ⇔ 160	LED macro 31
		161 ⇔ 165	LED macro 32
		166 ⇔ 170	LED macro 33
		171 ⇔ 175	LED macro 34
		176 ⇔ 180	LED macro 35
181 ⇔ 185	LED macro 36		
186 ⇔ 190	LED macro 37		
191 ⇔ 195	LED macro 38		
199 ⇔ 200	LED macro 39		
201 ⇔ 205	LED macro 40		
206 ⇔ 210	LED macro 41		
211 ⇔ 215	LED macro 42		
216 ⇔ 255	No function		

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Channel	Function	Value	Percent/Setting
11	LED macro speed	000 ⇔ 127	LED macro speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse LED macro, slow to fast
12	LED macro delay	000 ⇔ 255	LED macro delay, fast to slow
13	Background color	000	No function
		001 ⇔ 239	Background colors (see Background Color Chart)
		240 ⇔ 247	Color fade, fast to slow
		248 ⇔ 255	Color jump, fast to slow
14	Background dimmer	000 ⇔ 255	0–100%
15	Ring dimmer	000 ⇔ 255	0–100%
16	Center dimmer	000 ⇔ 255	0–100%
17	Ring strobe	000 ⇔ 019	Off
		020 ⇔ 024	On
		025 ⇔ 069	Strobe, fast to slow
		070 ⇔ 089	Fading strobe 100–0%, fast to slow
		090 ⇔ 109	Fading strobe 0–100%, fast to slow
		110 ⇔ 129	Random strobe, fast to slow
		130 ⇔ 149	Random fading strobe 100–0%, fast to slow
		150 ⇔ 169	Random fading strobe 0–100%, fast to slow
		170 ⇔ 189	Pulse strobe, fast to slow
		190 ⇔ 209	Random pulse strobe, fast to slow
		210 ⇔ 229	Fading strobe 100–0–100%, fast to slow
		230 ⇔ 244	Random pulse strobe, fast to slow
		245 ⇔ 255	On
18	Center strobe	000 ⇔ 019	Off
		020 ⇔ 024	On
		025 ⇔ 069	Strobe, fast to slow
		070 ⇔ 089	Fading strobe 100–0%, fast to slow
		090 ⇔ 109	Fading strobe 0–100%, fast to slow
		110 ⇔ 129	Random strobe, fast to slow
		130 ⇔ 149	Random fading strobe 100–0%, fast to slow
		150 ⇔ 169	Random fading strobe 0–100%, fast to slow
		170 ⇔ 189	Pulse strobe, fast to slow
		190 ⇔ 209	Random pulse strobe, fast to slow
		210 ⇔ 229	Fading strobe 100–0–100%, fast to slow
		230 ⇔ 244	Random pulse strobe, fast to slow
		245 ⇔ 255	On
19	Zoom	000 ⇔ 255	Zoom in to zoom out

Channel	Function	Value	Percent/Setting
20	Control (*Activates in 5 seconds)	000 ⇔ 009	No function
		010 ⇔ 014	Blackout on pan/tilt
		015 ⇔ 029	Reserved for future use
		030 ⇔ 034	Synchronize ring and center LEDs*
		035 ⇔ 039	De-synchronize ring and center LEDs*
		040 ⇔ 044	Defrost fan on
		045 ⇔ 049	Defrost fan off
		050 ⇔ 054	Reset pan*
		055 ⇔ 059	Reset tilt*
		060 ⇔ 064	Reset zoom
		065 ⇔ 069	Reserved for future use
		050 ⇔ 074	Reset all*
		075 ⇔ 119	Reserved for future use
		120 ⇔ 124	Fan mode ECO*
		125 ⇔ 129	Fan mode Full*
		130 ⇔ 134	Fan mode Auto*
		135 ⇔ 139	Dimmer mode fast*
		140 ⇔ 144	Dimmer mode smooth*
		145 ⇔ 149	Linear dimmer curve
		150 ⇔ 154	Square dimmer curve
		155 ⇔ 159	Inverse square dimmer curve
		160 ⇔ 164	S-curve dimmer curve
		165 ⇔ 169	WHITE mode
		170 ⇔ 174	FULL mode
		175 ⇔ 179	Single-color calibration off
		180 ⇔ 184	Single-color calibration on
		185 ⇔ 239	No function
		240 ⇔ 247	Calibration on
248 ⇔ 255	Calibration off		
21	Red	000 ⇔ 255	0–100%
22	Green	000 ⇔ 255	0–100%
23	Blue	000 ⇔ 255	0–100%
24	White	000 ⇔ 255	0–100%
25	Red 1	000 ⇔ 255	0–100%
26	Green 1	000 ⇔ 255	0–100%
27	Blue 1	000 ⇔ 255	0–100%
28	Red 2	000 ⇔ 255	0–100%
29	Green 2	000 ⇔ 255	0–100%
30	Blue 2	000 ⇔ 255	0–100%
31	Red 3	000 ⇔ 255	0–100%
32	Green 3	000 ⇔ 255	0–100%
33	Blue 3	000 ⇔ 255	0–100%
34	Red 4	000 ⇔ 255	0–100%
35	Green 4	000 ⇔ 255	0–100%
36	Blue 4	000 ⇔ 255	0–100%
37	Red 5	000 ⇔ 255	0–100%
38	Green 5	000 ⇔ 255	0–100%
39	Blue 5	000 ⇔ 255	0–100%
40	Red 6	000 ⇔ 255	0–100%
41	Green 6	000 ⇔ 255	0–100%
42	Blue 6	000 ⇔ 255	0–100%
43	Red 7	000 ⇔ 255	0–100%
44	Green 7	000 ⇔ 255	0–100%
45	Blue 7	000 ⇔ 255	0–100%
46	Red 8	000 ⇔ 255	0–100%
47	Green 8	000 ⇔ 255	0–100%
48	Blue 8	000 ⇔ 255	0–100%

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Channel	Function	Value	Percent/Setting
49	Red 9	000 ⇔ 255	0–100%
50	Green 9	000 ⇔ 255	0–100%
51	Blue 9	000 ⇔ 255	0–100%
52	Red 10	000 ⇔ 255	0–100%
53	Green 10	000 ⇔ 255	0–100%
54	Blue 10	000 ⇔ 255	0–100%
55	Red 11	000 ⇔ 255	0–100%
56	Green 11	000 ⇔ 255	0–100%
57	Blue 11	000 ⇔ 255	0–100%
58	Red 12	000 ⇔ 255	0–100%
59	Green 12	000 ⇔ 255	0–100%
60	Blue 12	000 ⇔ 255	0–100%
61	Center red	000 ⇔ 255	0–100%
62	Center green	000 ⇔ 255	0–100%
63	Center blue	000 ⇔ 255	0–100%
64	Center white	000 ⇔ 255	0–100%

30CH

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	Fast to slow
6	CTC	000	No function
		001 ⇔ 255	Color temperature, 19000–2700K
7	Ring preset color	000 ⇔ 004	No function
		005 ⇔ 174	Color 1–34 (see Preset Color Chart [no white])
		175 ⇔ 179	No function
		180 ⇔ 201	Color fade, fast to slow
		202 ⇔ 207	Stop
		208 ⇔ 229	Reverse color fade, fast to slow
		230 ⇔ 234	No function
		235 ⇔ 249	Color jump, fast to slow
250 ⇔ 255	No function		
8	Center preset color	000 ⇔ 004	No function
		005 ⇔ 174	Color 1–34 (see Preset Color Chart)
		175 ⇔ 179	No function
		180 ⇔ 201	Color fade, fast to slow
		202 ⇔ 207	Stop
		208 ⇔ 229	Reverse color fade, fast to slow
		230 ⇔ 234	No function
		235 ⇔ 249	Color jump, fast to slow
250 ⇔ 255	No function		
9	Pattern	000	No function
		001 ⇔ 255	Pattern 1–255

Channel	Function	Value	Percent/Setting
10	LED macro	000 ⇔ 005	No function
		006 ⇔ 010	LED macro 1
		011 ⇔ 015	LED macro 2
		016 ⇔ 020	LED macro 3
		021 ⇔ 025	LED macro 4
		026 ⇔ 030	LED macro 5
		031 ⇔ 035	LED macro 6
		036 ⇔ 040	LED macro 7
		041 ⇔ 045	LED macro 8
		046 ⇔ 050	LED macro 9
		051 ⇔ 055	LED macro 10
		056 ⇔ 060	LED macro 11
		061 ⇔ 065	LED macro 12
		066 ⇔ 070	LED macro 13
		071 ⇔ 075	LED macro 14
		076 ⇔ 080	LED macro 15
		081 ⇔ 085	LED macro 16
		086 ⇔ 090	LED macro 17
		091 ⇔ 095	LED macro 18
		096 ⇔ 100	LED macro 19
		101 ⇔ 105	LED macro 20
		106 ⇔ 110	LED macro 21
		111 ⇔ 115	LED macro 22
		116 ⇔ 120	LED macro 23
		121 ⇔ 125	LED macro 24
		126 ⇔ 130	LED macro 25
		131 ⇔ 135	LED macro 26
		136 ⇔ 140	LED macro 27
		141 ⇔ 145	LED macro 28
		146 ⇔ 150	LED macro 29
		151 ⇔ 155	LED macro 30
		156 ⇔ 160	LED macro 31
161 ⇔ 165	LED macro 32		
166 ⇔ 170	LED macro 33		
171 ⇔ 175	LED macro 34		
176 ⇔ 180	LED macro 35		
181 ⇔ 185	LED macro 36		
186 ⇔ 190	LED macro 37		
191 ⇔ 195	LED macro 38		
199 ⇔ 200	LED macro 39		
201 ⇔ 205	LED macro 40		
206 ⇔ 210	LED macro 41		
211 ⇔ 215	LED macro 42		
216 ⇔ 255	No function		
11	LED macro speed	000 ⇔ 127	LED macro speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse LED macro, slow to fast
12	LED macro delay	000 ⇔ 255	LED macro delay, fast to slow
13	Background color	000	No function
		001 ⇔ 239	Background colors (see Background Color Chart)
		240 ⇔ 247	Color fade, fast to slow
		248 ⇔ 255	Color jump, fast to slow
14	Background dimmer	000 ⇔ 255	0–100%
15	Ring dimmer	000 ⇔ 255	0–100%
16	Ring fine dimmer	000 ⇔ 255	Fine control (16-bit)
17	Center dimmer	000 ⇔ 255	0–100%
18	Center fine dimmer	000 ⇔ 255	Fine control (16-bit)

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Channel	Function	Value	Percent/Setting
19	Ring strobe	000 ⇄ 019	Off
		020 ⇄ 024	On
		025 ⇄ 069	Strobe, fast to slow
		070 ⇄ 089	Fading strobe 100–0%, fast to slow
		090 ⇄ 109	Fading strobe 0–100%, fast to slow
		110 ⇄ 129	Random strobe, fast to slow
		130 ⇄ 149	Random fading strobe 100–0%, fast to slow
		150 ⇄ 169	Random fading strobe 0–100%, fast to slow
		170 ⇄ 189	Pulse strobe, fast to slow
		190 ⇄ 209	Random pulse strobe, fast to slow
		210 ⇄ 229	Fading strobe 100–0–100%, fast to slow
		230 ⇄ 244	Random pulse strobe, fast to slow
245 ⇄ 255	On		
20	Center strobe	000 ⇄ 019	Off
		020 ⇄ 024	On
		025 ⇄ 069	Strobe, fast to slow
		070 ⇄ 089	Fading strobe 100–0%, fast to slow
		090 ⇄ 109	Fading strobe 0–100%, fast to slow
		110 ⇄ 129	Random strobe, fast to slow
		130 ⇄ 149	Random fading strobe 100–0%, fast to slow
		150 ⇄ 169	Random fading strobe 0–100%, fast to slow
		170 ⇄ 189	Pulse strobe, fast to slow
		190 ⇄ 209	Random pulse strobe, fast to slow
		210 ⇄ 229	Fading strobe 100–0–100%, fast to slow
		230 ⇄ 244	Random pulse strobe, fast to slow
245 ⇄ 255	On		
21	Zoom	000 ⇄ 255	Zoom in to zoom out
22	Control (*Activates in 5 seconds)	000 ⇄ 009	No function
		010 ⇄ 014	Blackout on pan/tilt
		015 ⇄ 029	Reserved for future use
		030 ⇄ 034	Synchronize ring and center LEDs*
		035 ⇄ 039	De-synchronize ring and center LEDs*
		040 ⇄ 044	Defrost fan on
		045 ⇄ 049	Defrost fan off
		050 ⇄ 054	Reset pan*
		055 ⇄ 059	Reset tilt*
		060 ⇄ 064	Reset zoom
		065 ⇄ 069	Reserved for future use
		050 ⇄ 074	Reset all*
		075 ⇄ 119	Reserved for future use
		120 ⇄ 124	Fan mode ECO*
		125 ⇄ 129	Fan mode Full*
		130 ⇄ 134	Fan mode Auto*
		135 ⇄ 139	Dimmer mode fast*
		140 ⇄ 144	Dimmer mode smooth*
		145 ⇄ 149	Linear dimmer curve
		150 ⇄ 154	Square dimmer curve
		155 ⇄ 159	Inverse square dimmer curve
		160 ⇄ 164	S-curve dimmer curve
		165 ⇄ 169	WHITE mode
		170 ⇄ 174	FULL mode
		175 ⇄ 179	Single-color calibration off
		180 ⇄ 184	Single-color calibration on
		185 ⇄ 239	No function
		240 ⇄ 247	Calibration on
248 ⇄ 255	Calibration off		
23	Red	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting
24	Fine red	000 ⇔ 255	Fine control (16-bit)
25	Green	000 ⇔ 255	0–100%
26	Fine green	000 ⇔ 255	Fine control (16-bit)
27	Blue	000 ⇔ 255	0–100%
28	Fine blue	000 ⇔ 255	Fine control (16-bit)
29	White	000 ⇔ 255	0–100%
30	Fine white	000 ⇔ 255	Fine control (16-bit)

24CH

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	Fast to slow
6	CTC	000	No function
		001 ⇔ 255	Color temperature, 19000–2700K
7	Ring preset color	000 ⇔ 004	No function
		005 ⇔ 174	Color 1–34 (see Preset Color Chart [no white])
		175 ⇔ 179	No function
		180 ⇔ 201	Color fade, fast to slow
		202 ⇔ 207	Stop
		208 ⇔ 229	Reverse color fade, fast to slow
		230 ⇔ 234	No function
		235 ⇔ 249	Color jump, fast to slow
250 ⇔ 255	No function		
8	Center preset color	000 ⇔ 004	No function
		005 ⇔ 174	Color 1–34 (see Preset Color Chart)
		175 ⇔ 179	No function
		180 ⇔ 201	Color fade, fast to slow
		202 ⇔ 207	Stop
		208 ⇔ 229	Reverse color fade, fast to slow
		230 ⇔ 234	No function
		235 ⇔ 249	Color jump, fast to slow
250 ⇔ 255	No function		
9	Pattern	000	No function
		001 ⇔ 255	Pattern 1–255

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Channel	Function	Value	Percent/Setting
10	LED macro	000 ⇔ 005	No function
		006 ⇔ 010	LED macro 1
		011 ⇔ 015	LED macro 2
		016 ⇔ 020	LED macro 3
		021 ⇔ 025	LED macro 4
		026 ⇔ 030	LED macro 5
		031 ⇔ 035	LED macro 6
		036 ⇔ 040	LED macro 7
		041 ⇔ 045	LED macro 8
		046 ⇔ 050	LED macro 9
		051 ⇔ 055	LED macro 10
		056 ⇔ 060	LED macro 11
		061 ⇔ 065	LED macro 12
		066 ⇔ 070	LED macro 13
		071 ⇔ 075	LED macro 14
		076 ⇔ 080	LED macro 15
		081 ⇔ 085	LED macro 16
		086 ⇔ 090	LED macro 17
		091 ⇔ 095	LED macro 18
		096 ⇔ 100	LED macro 19
		101 ⇔ 105	LED macro 20
		106 ⇔ 110	LED macro 21
		111 ⇔ 115	LED macro 22
		116 ⇔ 120	LED macro 23
		121 ⇔ 125	LED macro 24
		126 ⇔ 130	LED macro 25
		131 ⇔ 135	LED macro 26
		136 ⇔ 140	LED macro 27
		141 ⇔ 145	LED macro 28
		146 ⇔ 150	LED macro 29
		151 ⇔ 155	LED macro 30
		156 ⇔ 160	LED macro 31
		161 ⇔ 165	LED macro 32
166 ⇔ 170	LED macro 33		
171 ⇔ 175	LED macro 34		
176 ⇔ 180	LED macro 35		
181 ⇔ 185	LED macro 36		
186 ⇔ 190	LED macro 37		
191 ⇔ 195	LED macro 38		
199 ⇔ 200	LED macro 39		
201 ⇔ 205	LED macro 40		
206 ⇔ 210	LED macro 41		
211 ⇔ 215	LED macro 42		
216 ⇔ 255	No function		
11	LED macro speed	000 ⇔ 127	LED macro speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse LED macro, slow to fast
12	LED macro delay	000 ⇔ 255	LED macro delay, fast to slow
13	Background color	000	No function
		001 ⇔ 239	Background colors (see Background Color Chart)
		240 ⇔ 247	Color fade, fast to slow
		248 ⇔ 255	Color jump, fast to slow
14	Background dimmer	000 ⇔ 255	0–100%
15	Ring dimmer	000 ⇔ 255	0–100%
16	Center dimmer	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
17	Ring strobe	000 ⇄ 019	Off
		020 ⇄ 024	On
		025 ⇄ 069	Strobe, fast to slow
		070 ⇄ 089	Fading strobe 100–0%, fast to slow
		090 ⇄ 109	Fading strobe 0–100%, fast to slow
		110 ⇄ 129	Random strobe, fast to slow
		130 ⇄ 149	Random fading strobe 100–0%, fast to slow
		150 ⇄ 169	Random fading strobe 0–100%, fast to slow
		170 ⇄ 189	Pulse strobe, fast to slow
		190 ⇄ 209	Random pulse strobe, fast to slow
		210 ⇄ 229	Fading strobe 100–0–100%, fast to slow
		230 ⇄ 244	Random pulse strobe, fast to slow
		245 ⇄ 255	On
18	Center strobe	000 ⇄ 019	Off
		020 ⇄ 024	On
		025 ⇄ 069	Strobe, fast to slow
		070 ⇄ 089	Fading strobe 100–0%, fast to slow
		090 ⇄ 109	Fading strobe 0–100%, fast to slow
		110 ⇄ 129	Random strobe, fast to slow
		130 ⇄ 149	Random fading strobe 100–0%, fast to slow
		150 ⇄ 169	Random fading strobe 0–100%, fast to slow
		170 ⇄ 189	Pulse strobe, fast to slow
		190 ⇄ 209	Random pulse strobe, fast to slow
		210 ⇄ 229	Fading strobe 100–0–100%, fast to slow
		230 ⇄ 244	Random pulse strobe, fast to slow
		245 ⇄ 255	On
19	Zoom	000 ⇄ 255	Zoom in to zoom out
20	Control (*Activates in 5 seconds)	000 ⇄ 009	No function
		010 ⇄ 014	Blackout on pan/tilt
		015 ⇄ 029	Reserved for future use
		030 ⇄ 034	Synchronize ring and center LEDs*
		035 ⇄ 039	De-synchronize ring and center LEDs*
		040 ⇄ 044	Defrost fan on
		045 ⇄ 049	Defrost fan off
		050 ⇄ 054	Reset pan*
		055 ⇄ 059	Reset tilt*
		060 ⇄ 064	Reset zoom
		065 ⇄ 069	Reserved for future use
		070 ⇄ 074	Reset all*
		075 ⇄ 119	Reserved for future use
		120 ⇄ 124	Fan mode ECO*
		125 ⇄ 129	Fan mode Full*
		130 ⇄ 134	Fan mode Auto*
		135 ⇄ 139	Dimmer mode fast*
		140 ⇄ 144	Dimmer mode smooth*
		145 ⇄ 149	Linear dimmer curve
		150 ⇄ 154	Square dimmer curve
		155 ⇄ 159	Inverse square dimmer curve
		160 ⇄ 164	S-curve dimmer curve
		165 ⇄ 169	WHITE mode
		170 ⇄ 174	FULL mode
175 ⇄ 179	Single-color calibration off		
180 ⇄ 184	Single-color calibration on		
185 ⇄ 239	No function		
240 ⇄ 247	Calibration on		
248 ⇄ 255	Calibration off		
21	Red	000 ⇄ 255	0–100%
22	Green	000 ⇄ 255	0–100%
23	Blue	000 ⇄ 255	0–100%
24	White	000 ⇄ 255	0–100%

QUICK REFERENCE GUIDE



Rogue Outcast 1 Beam Wash

15CH

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	Fast to slow
6	Dimmer	000 ⇄ 255	0–100%
7	Fine dimmer	000 ⇄ 255	Fine control (16-bit)
8	Strobe	000 ⇄ 019	Off
		020 ⇄ 024	On
		025 ⇄ 069	Strobe, fast to slow
		070 ⇄ 089	Fading strobe 100–0%, fast to slow
		090 ⇄ 109	Fading strobe 0–100%, fast to slow
		110 ⇄ 129	Random strobe, fast to slow
		130 ⇄ 149	Random fading strobe 100–0%, fast to slow
		150 ⇄ 169	Random fading strobe 0–100%, fast to slow
		170 ⇄ 189	Pulse strobe, fast to slow
		190 ⇄ 209	Random pulse strobe, fast to slow
		210 ⇄ 229	Fading strobe 100–0–100%, fast to slow
230 ⇄ 244	Random pulse strobe, fast to slow		
245 ⇄ 255	On		
9	Red	000 ⇄ 255	0–100%
10	Green	000 ⇄ 255	0–100%
11	Blue	000 ⇄ 255	0–100%
12	White	000 ⇄ 255	0–100%
13	Preset color	000 ⇄ 004	No function
		005 ⇄ 174	Color 1–34 (see Preset Color Chart)
		175 ⇄ 179	No function
		180 ⇄ 201	Color fade, fast to slow
		202 ⇄ 207	Stop
		208 ⇄ 229	Reverse color fade, fast to slow
		230 ⇄ 234	No function
		235 ⇄ 249	Color jump, fast to slow
250 ⇄ 255	No function		
14	Zoom	000 ⇄ 255	Zoom in to zoom out
15	Control (*Activates in 5 seconds)	000 ⇄ 009	No function
		010 ⇄ 014	Blackout on pan/tilt
		015 ⇄ 029	Reserved for future use
		030 ⇄ 034	Synchronize ring and center LEDs*
		035 ⇄ 039	De-synchronize ring and center LEDs*
		040 ⇄ 044	Defrost fan on
		045 ⇄ 049	Defrost fan off
		050 ⇄ 054	Reset pan*
		055 ⇄ 059	Reset tilt*
		060 ⇄ 064	Reset zoom
		065 ⇄ 069	Reserved for future use
		070 ⇄ 074	Reset all*
		075 ⇄ 119	Reserved for future use
		120 ⇄ 124	Fan mode ECO*
		125 ⇄ 129	Fan mode Full*
		130 ⇄ 134	Fan mode Auto*
		135 ⇄ 139	Dimmer mode fast*
		140 ⇄ 144	Dimmer mode smooth*
		145 ⇄ 149	Linear dimmer curve
		150 ⇄ 154	Square dimmer curve
		155 ⇄ 159	Inverse square dimmer curve
		160 ⇄ 164	S-curve dimmer curve
		165 ⇄ 169	WHITE mode
		170 ⇄ 174	FULL mode
175 ⇄ 179	Single-color calibration off		
180 ⇄ 184	Single-color calibration on		
185 ⇄ 239	No function		
240 ⇄ 247	Calibration on		
248 ⇄ 255	Calibration off		