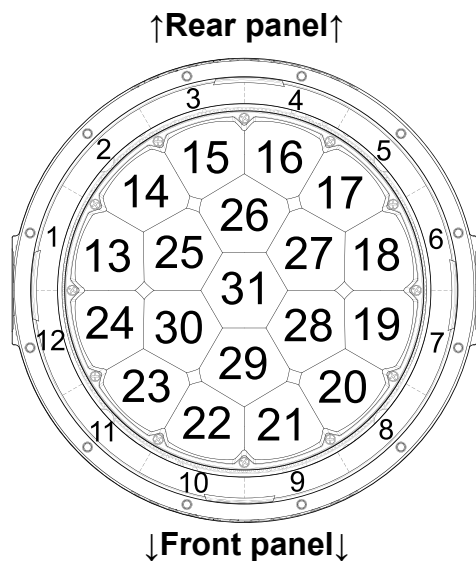


Control Channel Assignments and Value

Pixel Chart



Single Control

Tour (325 channels)

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine pan	000 ⇔ 255	0–100%
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	0–100%
5	Pan/tilt speed	000 ⇔ 255	Pan/tilt speed, fast to slow
6	Ring CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
7	Main CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
8	Ring foreground color	000 ⇔ 255	See the Color Chart
9	Main foreground color	000 ⇔ 255	See the Color Chart
10	Ring gobo	000 ⇔ 004	No function
		005 ⇔ 255	Gobos (indexed)
11	Main gobo	000	No function
		001 ⇔ 255	Gobos (indexed)
12	Ring LED macro/Automatic program	000 ⇔ 005	No function
		006 ⇔ 115	LED macros
		116 ⇔ 215	Automatic programs
		216 ⇔ 255	No function
13	Ring macro/program speed	000 ⇔ 127	Macro/program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
14	Ring LED delay	000 ⇔ 255	Built-in LED delay, short to long
15	Main LED macro/Automatic program	000 ⇔ 015	No function
		016 ⇔ 135	LED macros
		136 ⇔ 255	Automatic programs

Channel	Function	Value	Percent/Setting
16	Main macro/program speed	000 ⇄ 127	Macro/program speed, fast to slow
		128	Stop
		129 ⇄ 255	Reverse macro/program, slow to fast
17	Main LED delay	000 ⇄ 255	Built-in LED delay, short to long
18	Ring background color	000 ⇄ 255	See the Color Chart
19	Ring background dimmer	000 ⇄ 255	0–100%
20	Ring background fine dimmer	000 ⇄ 255	0–100%
21	Main background color	000 ⇄ 255	See the Color Chart
22	Main background dimmer	000 ⇄ 255	0–100%
23	Main background fine dimmer	000 ⇄ 255	0–100%
24	Ring foreground dimmer	000 ⇄ 255	0–100%
25	Ring foreground fine dimmer	000 ⇄ 255	0–100%
26	Main foreground dimmer	000 ⇄ 255	0–100%
27	Main foreground fine dimmer	000 ⇄ 255	0–100%
28	Ring strobe	000 ⇄ 255	See the Strobe Chart
29	Main strobe	000 ⇄ 255	See the Strobe Chart
30	Zoom	000 ⇄ 255	Zoom, narrow to wide
31	Control	000 ⇄ 255	See the Control Chart
32	All foreground red	000 ⇄ 255	0–100%
33	All foreground fine red	000 ⇄ 255	0–100%
34	All foreground green	000 ⇄ 255	0–100%
35	All foreground fine green	000 ⇄ 255	0–100%
36	All foreground blue	000 ⇄ 255	0–100%
37	All foreground fine blue	000 ⇄ 255	0–100%
38	All foreground white	000 ⇄ 255	0–100%
39	All foreground fine white	000 ⇄ 255	0–100%
40	Dimmer 1	000 ⇄ 255	0–100%
41	Fine dimmer 1	000 ⇄ 255	0–100%
42	Red 1	000 ⇄ 255	0–100%
43	Fine red 1	000 ⇄ 255	0–100%
44	Green 1	000 ⇄ 255	0–100%
45	Fine green 1	000 ⇄ 255	0–100%
46	Blue 1	000 ⇄ 255	0–100%
47	Fine blue 1	000 ⇄ 255	0–100%
48	Dimmer 2	000 ⇄ 255	0–100%
49	Fine dimmer 2	000 ⇄ 255	0–100%
50	Red 2	000 ⇄ 255	0–100%
51	Fine red 2	000 ⇄ 255	0–100%
52	Green 2	000 ⇄ 255	0–100%
53	Fine green 2	000 ⇄ 255	0–100%
54	Blue 2	000 ⇄ 255	0–100%
55	Fine blue 2	000 ⇄ 255	0–100%
56	Dimmer 3	000 ⇄ 255	0–100%
57	Fine dimmer 3	000 ⇄ 255	0–100%
58	Red 3	000 ⇄ 255	0–100%
59	Fine red 3	000 ⇄ 255	0–100%
60	Green 3	000 ⇄ 255	0–100%
61	Fine green 3	000 ⇄ 255	0–100%

QUICK REFERENCE GUIDE



Maverick Storm 2 BeamWash

Channel	Function	Value	Percent/Setting
62	Blue 3	000 ⇄ 255	0–100%
63	Fine blue 3	000 ⇄ 255	0–100%
64	Dimmer 4	000 ⇄ 255	0–100%
65	Fine dimmer 4	000 ⇄ 255	0–100%
66	Red 4	000 ⇄ 255	0–100%
67	Fine red 4	000 ⇄ 255	0–100%
68	Green 4	000 ⇄ 255	0–100%
69	Fine green 4	000 ⇄ 255	0–100%
70	Blue 4	000 ⇄ 255	0–100%
71	Fine blue 4	000 ⇄ 255	0–100%
72	Dimmer 5	000 ⇄ 255	0–100%
73	Fine dimmer 5	000 ⇄ 255	0–100%
74	Red 5	000 ⇄ 255	0–100%
75	Fine red 5	000 ⇄ 255	0–100%
76	Green 5	000 ⇄ 255	0–100%
77	Fine green 5	000 ⇄ 255	0–100%
78	Blue 5	000 ⇄ 255	0–100%
79	Fine blue 5	000 ⇄ 255	0–100%
80	Dimmer 6	000 ⇄ 255	0–100%
81	Fine dimmer 6	000 ⇄ 255	0–100%
82	Red 6	000 ⇄ 255	0–100%
83	Fine red 6	000 ⇄ 255	0–100%
84	Green 6	000 ⇄ 255	0–100%
85	Fine green 6	000 ⇄ 255	0–100%
86	Blue 6	000 ⇄ 255	0–100%
87	Fine blue 6	000 ⇄ 255	0–100%
88	Dimmer 7	000 ⇄ 255	0–100%
89	Fine dimmer 7	000 ⇄ 255	0–100%
90	Red 7	000 ⇄ 255	0–100%
91	Fine red 7	000 ⇄ 255	0–100%
92	Green 7	000 ⇄ 255	0–100%
93	Fine green 7	000 ⇄ 255	0–100%
94	Blue 7	000 ⇄ 255	0–100%
95	Fine blue 7	000 ⇄ 255	0–100%
96	Dimmer 8	000 ⇄ 255	0–100%
97	Fine dimmer 8	000 ⇄ 255	0–100%
98	Red 8	000 ⇄ 255	0–100%
99	Fine red 8	000 ⇄ 255	0–100%
100	Green 8	000 ⇄ 255	0–100%
101	Fine green 8	000 ⇄ 255	0–100%
102	Blue 8	000 ⇄ 255	0–100%
103	Fine blue 8	000 ⇄ 255	0–100%
104	Dimmer 9	000 ⇄ 255	0–100%
105	Fine dimmer 9	000 ⇄ 255	0–100%
106	Red 9	000 ⇄ 255	0–100%
107	Fine red 9	000 ⇄ 255	0–100%
108	Green 9	000 ⇄ 255	0–100%
109	Fine green 9	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting
110	Blue 9	000 ⇄ 255	0–100%
111	Fine blue 9	000 ⇄ 255	0–100%
112	Dimmer 10	000 ⇄ 255	0–100%
113	Fine dimmer 10	000 ⇄ 255	0–100%
114	Red 10	000 ⇄ 255	0–100%
115	Fine red 10	000 ⇄ 255	0–100%
116	Green 10	000 ⇄ 255	0–100%
117	Fine green 10	000 ⇄ 255	0–100%
118	Blue 10	000 ⇄ 255	0–100%
119	Fine blue 10	000 ⇄ 255	0–100%
120	Dimmer 11	000 ⇄ 255	0–100%
121	Fine dimmer 11	000 ⇄ 255	0–100%
122	Red 11	000 ⇄ 255	0–100%
123	Fine red 11	000 ⇄ 255	0–100%
124	Green 1	000 ⇄ 255	0–100%
125	Fine green 11	000 ⇄ 255	0–100%
126	Blue 11	000 ⇄ 255	0–100%
127	Fine blue 11	000 ⇄ 255	0–100%
128	Dimmer 12	000 ⇄ 255	0–100%
129	Fine dimmer 12	000 ⇄ 255	0–100%
130	Red 12	000 ⇄ 255	0–100%
131	Fine red 12	000 ⇄ 255	0–100%
132	Green 12	000 ⇄ 255	0–100%
133	Fine green 12	000 ⇄ 255	0–100%
134	Blue 12	000 ⇄ 255	0–100%
135	Fine blue 12	000 ⇄ 255	0–100%
136	Dimmer 13	000 ⇄ 255	0–100%
137	Fine dimmer 13	000 ⇄ 255	0–100%
138	Red 13	000 ⇄ 255	0–100%
139	Fine red 13	000 ⇄ 255	0–100%
140	Green 13	000 ⇄ 255	0–100%
141	Fine green 13	000 ⇄ 255	0–100%
142	Blue 13	000 ⇄ 255	0–100%
143	Fine blue 13	000 ⇄ 255	0–100%
144	White 13	000 ⇄ 255	0–100%
145	Fine white 13	000 ⇄ 255	0–100%
146	Dimmer 14	000 ⇄ 255	0–100%
147	Fine dimmer 14	000 ⇄ 255	0–100%
148	Red 14	000 ⇄ 255	0–100%
149	Fine red 14	000 ⇄ 255	0–100%
150	Green 14	000 ⇄ 255	0–100%
151	Fine green 14	000 ⇄ 255	0–100%
152	Blue 14	000 ⇄ 255	0–100%
153	Fine blue 14	000 ⇄ 255	0–100%
154	White 14	000 ⇄ 255	0–100%
155	Fine white 14	000 ⇄ 255	0–100%
156	Dimmer 15	000 ⇄ 255	0–100%
157	Fine dimmer 15	000 ⇄ 255	0–100%

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Maverick Storm 2 BeamWash

Channel	Function	Value	Percent/Setting
158	Red 15	000 ⇄ 255	0–100%
159	Fine red 15	000 ⇄ 255	0–100%
160	Green 15	000 ⇄ 255	0–100%
161	Fine green 15	000 ⇄ 255	0–100%
162	Blue 15	000 ⇄ 255	0–100%
163	Fine blue 15	000 ⇄ 255	0–100%
164	White 15	000 ⇄ 255	0–100%
165	Fine white 15	000 ⇄ 255	0–100%
166	Dimmer 16	000 ⇄ 255	0–100%
167	Fine dimmer 16	000 ⇄ 255	0–100%
168	Red 16	000 ⇄ 255	0–100%
169	Fine red 16	000 ⇄ 255	0–100%
170	Green 16	000 ⇄ 255	0–100%
171	Fine green 16	000 ⇄ 255	0–100%
172	Blue 16	000 ⇄ 255	0–100%
173	Fine blue 16	000 ⇄ 255	0–100%
174	White 16	000 ⇄ 255	0–100%
175	Fine white 16	000 ⇄ 255	0–100%
176	Dimmer 17	000 ⇄ 255	0–100%
177	Fine dimmer 17	000 ⇄ 255	0–100%
178	Red 17	000 ⇄ 255	0–100%
179	Fine red 17	000 ⇄ 255	0–100%
180	Green 17	000 ⇄ 255	0–100%
181	Fine green 17	000 ⇄ 255	0–100%
182	Blue 17	000 ⇄ 255	0–100%
183	Fine blue 17	000 ⇄ 255	0–100%
184	White 17	000 ⇄ 255	0–100%
185	Fine white 17	000 ⇄ 255	0–100%
186	Dimmer 18	000 ⇄ 255	0–100%
187	Fine dimmer 18	000 ⇄ 255	0–100%
188	Red 18	000 ⇄ 255	0–100%
189	Fine red 18	000 ⇄ 255	0–100%
190	Green 18	000 ⇄ 255	0–100%
191	Fine green 18	000 ⇄ 255	0–100%
192	Blue 18	000 ⇄ 255	0–100%
193	Fine blue 18	000 ⇄ 255	0–100%
194	White 18	000 ⇄ 255	0–100%
195	Fine white 18	000 ⇄ 255	0–100%
196	Dimmer 19	000 ⇄ 255	0–100%
197	Fine dimmer 19	000 ⇄ 255	0–100%
198	Red 19	000 ⇄ 255	0–100%
199	Fine red 19	000 ⇄ 255	0–100%
200	Green 19	000 ⇄ 255	0–100%
201	Fine green 19	000 ⇄ 255	0–100%
202	Blue 19	000 ⇄ 255	0–100%
203	Fine blue 19	000 ⇄ 255	0–100%
204	White 19	000 ⇄ 255	0–100%
205	Fine white 19	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting
206	Dimmer 20	000 ⇄ 255	0–100%
207	Fine dimmer 20	000 ⇄ 255	0–100%
208	Red 20	000 ⇄ 255	0–100%
209	Fine red 20	000 ⇄ 255	0–100%
210	Green 20	000 ⇄ 255	0–100%
211	Fine green 20	000 ⇄ 255	0–100%
212	Blue 20	000 ⇄ 255	0–100%
213	Fine blue 20	000 ⇄ 255	0–100%
214	White 20	000 ⇄ 255	0–100%
215	Fine white 20	000 ⇄ 255	0–100%
216	Dimmer 21	000 ⇄ 255	0–100%
217	Fine dimmer 21	000 ⇄ 255	0–100%
218	Red 21	000 ⇄ 255	0–100%
219	Fine red 21	000 ⇄ 255	0–100%
220	Green 21	000 ⇄ 255	0–100%
221	Fine green 21	000 ⇄ 255	0–100%
222	Blue 21	000 ⇄ 255	0–100%
223	Fine blue 21	000 ⇄ 255	0–100%
224	White 21	000 ⇄ 255	0–100%
225	Fine white 21	000 ⇄ 255	0–100%
226	Dimmer 22	000 ⇄ 255	0–100%
227	Fine dimmer 22	000 ⇄ 255	0–100%
228	Red 22	000 ⇄ 255	0–100%
229	Fine red 22	000 ⇄ 255	0–100%
230	Green 22	000 ⇄ 255	0–100%
231	Fine green 22	000 ⇄ 255	0–100%
232	Blue 22	000 ⇄ 255	0–100%
233	Fine blue 22	000 ⇄ 255	0–100%
234	White 22	000 ⇄ 255	0–100%
235	Fine white 22	000 ⇄ 255	0–100%
236	Dimmer 23	000 ⇄ 255	0–100%
237	Fine dimmer 23	000 ⇄ 255	0–100%
238	Red 23	000 ⇄ 255	0–100%
239	Fine red 23	000 ⇄ 255	0–100%
240	Green 23	000 ⇄ 255	0–100%
241	Fine green 23	000 ⇄ 255	0–100%
242	Blue 23	000 ⇄ 255	0–100%
243	Fine blue 23	000 ⇄ 255	0–100%
244	White 23	000 ⇄ 255	0–100%
245	Fine white 23	000 ⇄ 255	0–100%
246	Dimmer 24	000 ⇄ 255	0–100%
247	Fine dimmer 24	000 ⇄ 255	0–100%
248	Red 24	000 ⇄ 255	0–100%
249	Fine red 24	000 ⇄ 255	0–100%
250	Green 24	000 ⇄ 255	0–100%
251	Fine green 24	000 ⇄ 255	0–100%
252	Blue 24	000 ⇄ 255	0–100%
253	Fine blue 24	000 ⇄ 255	0–100%

QUICK REFERENCE GUIDE



Maverick Storm 2 BeamWash

Channel	Function	Value	Percent/Setting
254	White 24	000 ⇔ 255	0–100%
255	Fine white 24	000 ⇔ 255	0–100%
256	Dimmer 25	000 ⇔ 255	0–100%
257	Fine dimmer 25	000 ⇔ 255	0–100%
258	Red 25	000 ⇔ 255	0–100%
259	Fine red 25	000 ⇔ 255	0–100%
260	Green 25	000 ⇔ 255	0–100%
261	Fine green 25	000 ⇔ 255	0–100%
262	Blue 25	000 ⇔ 255	0–100%
263	Fine blue 25	000 ⇔ 255	0–100%
264	White 25	000 ⇔ 255	0–100%
265	Fine white 25	000 ⇔ 255	0–100%
266	Dimmer 26	000 ⇔ 255	0–100%
267	Fine dimmer 26	000 ⇔ 255	0–100%
268	Red 26	000 ⇔ 255	0–100%
269	Fine red 26	000 ⇔ 255	0–100%
270	Green 26	000 ⇔ 255	0–100%
271	Fine green 26	000 ⇔ 255	0–100%
272	Blue 26	000 ⇔ 255	0–100%
273	Fine blue 26	000 ⇔ 255	0–100%
274	White 26	000 ⇔ 255	0–100%
275	Fine white 26	000 ⇔ 255	0–100%
276	Dimmer 27	000 ⇔ 255	0–100%
277	Fine dimmer 27	000 ⇔ 255	0–100%
278	Red 27	000 ⇔ 255	0–100%
279	Fine red 27	000 ⇔ 255	0–100%
280	Green 27	000 ⇔ 255	0–100%
281	Fine green 27	000 ⇔ 255	0–100%
282	Blue 27	000 ⇔ 255	0–100%
283	Fine blue 27	000 ⇔ 255	0–100%
284	White 27	000 ⇔ 255	0–100%
285	Fine white 27	000 ⇔ 255	0–100%
286	Dimmer 28	000 ⇔ 255	0–100%
287	Fine dimmer 28	000 ⇔ 255	0–100%
288	Red 28	000 ⇔ 255	0–100%
289	Fine red 28	000 ⇔ 255	0–100%
290	Green 28	000 ⇔ 255	0–100%
291	Fine green 28	000 ⇔ 255	0–100%
292	Blue 28	000 ⇔ 255	0–100%
293	Fine blue 28	000 ⇔ 255	0–100%
294	White 28	000 ⇔ 255	0–100%
295	Fine white 28	000 ⇔ 255	0–100%
296	Dimmer 29	000 ⇔ 255	0–100%
297	Fine dimmer 29	000 ⇔ 255	0–100%
298	Red 29	000 ⇔ 255	0–100%
299	Fine red 29	000 ⇔ 255	0–100%
300	Green 29	000 ⇔ 255	0–100%
301	Fine green 29	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
302	Blue 29	000 ⇔ 255	0–100%
303	Fine blue 29	000 ⇔ 255	0–100%
304	White 29	000 ⇔ 255	0–100%
305	Fine white 29	000 ⇔ 255	0–100%
306	Dimmer 30	000 ⇔ 255	0–100%
307	Fine dimmer 30	000 ⇔ 255	0–100%
308	Red 30	000 ⇔ 255	0–100%
309	Fine red 30	000 ⇔ 255	0–100%
310	Green 30	000 ⇔ 255	0–100%
311	Fine green 30	000 ⇔ 255	0–100%
312	Blue 30	000 ⇔ 255	0–100%
313	Fine blue 30	000 ⇔ 255	0–100%
314	White 30	000 ⇔ 255	0–100%
315	Fine white 30	000 ⇔ 255	0–100%
316	Dimmer 31	000 ⇔ 255	0–100%
317	Fine dimmer 31	000 ⇔ 255	0–100%
318	Red 31	000 ⇔ 255	0–100%
319	Fine red 31	000 ⇔ 255	0–100%
320	Green 31	000 ⇔ 255	0–100%
321	Fine green 31	000 ⇔ 255	0–100%
322	Blue 31	000 ⇔ 255	0–100%
323	Fine blue 31	000 ⇔ 255	0–100%
324	White 31	000 ⇔ 255	0–100%
325	Fine white 31	000 ⇔ 255	0–100%

Advanced (263 channels)

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine pan	000 ⇔ 255	0–100%
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	0–100%
5	Pan/tilt speed	000 ⇔ 255	Pan/tilt speed, fast to slow
6	Ring CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
7	Main CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
8	Ring foreground color	000 ⇔ 255	See the Color Chart
9	Main foreground color	000 ⇔ 255	See the Color Chart
10	Ring gobo	000 ⇔ 004	No function
		005 ⇔ 255	Gobos (indexed)
11	Main gobo	000	No function
		001 ⇔ 255	Gobos (indexed)
12	Ring LED macro/Automatic program	000 ⇔ 005	No function
		006 ⇔ 115	LED macros
		116 ⇔ 215	Automatic programs
		216 ⇔ 255	No function

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Maverick Storm 2 BeamWash

Channel	Function	Value	Percent/Setting
13	Ring macro/program speed	000 ⇔ 127	Macro/program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
14	Ring LED delay	000 ⇔ 255	Built-in LED delay, short to long
15	Main LED macro/Automatic program	000 ⇔ 015	No function
		016 ⇔ 135	LED macros
		136 ⇔ 255	Automatic programs
16	Main macro/program speed	000 ⇔ 127	Macro/program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
17	Main LED delay	000 ⇔ 255	Built-in LED delay, short to long
18	Ring background color	000 ⇔ 255	See the Color Chart
19	Ring background dimmer	000 ⇔ 255	0–100%
20	Ring background fine dimmer	000 ⇔ 255	0–100%
21	Main background color	000 ⇔ 255	See the Color Chart
22	Main background dimmer	000 ⇔ 255	0–100%
23	Main background fine dimmer	000 ⇔ 255	0–100%
24	Ring foreground dimmer	000 ⇔ 255	0–100%
25	Ring foreground fine dimmer	000 ⇔ 255	0–100%
26	Main foreground dimmer	000 ⇔ 255	0–100%
27	Main foreground fine dimmer	000 ⇔ 255	0–100%
28	Ring strobe	000 ⇔ 255	See the Strobe Chart
29	Main strobe	000 ⇔ 255	See the Strobe Chart
30	Zoom	000 ⇔ 255	Zoom, narrow to wide
31	Control	000 ⇔ 255	See the Control Chart
32	All foreground red	000 ⇔ 255	0–100%
33	All foreground fine red	000 ⇔ 255	0–100%
34	All foreground green	000 ⇔ 255	0–100%
35	All foreground fine green	000 ⇔ 255	0–100%
36	All foreground blue	000 ⇔ 255	0–100%
37	All foreground fine blue	000 ⇔ 255	0–100%
38	All foreground white	000 ⇔ 255	0–100%
39	All foreground fine white	000 ⇔ 255	0–100%
40	Red 1	000 ⇔ 255	0–100%
41	Fine red 1	000 ⇔ 255	0–100%
42	Green 1	000 ⇔ 255	0–100%
43	Fine green 1	000 ⇔ 255	0–100%
44	Blue 1	000 ⇔ 255	0–100%
45	Fine blue 1	000 ⇔ 255	0–100%
46	Red 2	000 ⇔ 255	0–100%
47	Fine red 2	000 ⇔ 255	0–100%
48	Green 2	000 ⇔ 255	0–100%
49	Fine green 2	000 ⇔ 255	0–100%
50	Blue 2	000 ⇔ 255	0–100%
51	Fine blue 2	000 ⇔ 255	0–100%
52	Red 3	000 ⇔ 255	0–100%
53	Fine red 3	000 ⇔ 255	0–100%
54	Green 3	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
55	Fine green 3	000 ⇄ 255	0–100%
56	Blue 3	000 ⇄ 255	0–100%
57	Fine blue 3	000 ⇄ 255	0–100%
58	Red 4	000 ⇄ 255	0–100%
59	Fine red 4	000 ⇄ 255	0–100%
60	Green 4	000 ⇄ 255	0–100%
61	Fine green 4	000 ⇄ 255	0–100%
62	Blue 4	000 ⇄ 255	0–100%
63	Fine blue 4	000 ⇄ 255	0–100%
64	Red 5	000 ⇄ 255	0–100%
65	Fine red 5	000 ⇄ 255	0–100%
66	Green 5	000 ⇄ 255	0–100%
67	Fine green 5	000 ⇄ 255	0–100%
68	Blue 5	000 ⇄ 255	0–100%
69	Fine blue 5	000 ⇄ 255	0–100%
70	Red 6	000 ⇄ 255	0–100%
71	Fine red 6	000 ⇄ 255	0–100%
72	Green 6	000 ⇄ 255	0–100%
73	Fine green 6	000 ⇄ 255	0–100%
74	Blue 6	000 ⇄ 255	0–100%
75	Fine blue 6	000 ⇄ 255	0–100%
76	Red 7	000 ⇄ 255	0–100%
77	Fine red 7	000 ⇄ 255	0–100%
78	Green 7	000 ⇄ 255	0–100%
79	Fine green 7	000 ⇄ 255	0–100%
80	Blue 7	000 ⇄ 255	0–100%
81	Fine blue 7	000 ⇄ 255	0–100%
82	Red 8	000 ⇄ 255	0–100%
83	Fine red 8	000 ⇄ 255	0–100%
84	Green 8	000 ⇄ 255	0–100%
85	Fine green 8	000 ⇄ 255	0–100%
86	Blue 8	000 ⇄ 255	0–100%
87	Fine blue 8	000 ⇄ 255	0–100%
88	Red 9	000 ⇄ 255	0–100%
89	Fine red 9	000 ⇄ 255	0–100%
90	Green 9	000 ⇄ 255	0–100%
91	Fine green 9	000 ⇄ 255	0–100%
92	Blue 9	000 ⇄ 255	0–100%
93	Fine blue 9	000 ⇄ 255	0–100%
94	Red 10	000 ⇄ 255	0–100%
95	Fine red 10	000 ⇄ 255	0–100%
96	Green 10	000 ⇄ 255	0–100%
97	Fine green 10	000 ⇄ 255	0–100%
98	Blue 10	000 ⇄ 255	0–100%
99	Fine blue 10	000 ⇄ 255	0–100%
100	Red 11	000 ⇄ 255	0–100%
101	Fine red 11	000 ⇄ 255	0–100%
102	Green 1	000 ⇄ 255	0–100%

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Channel	Function	Value	Percent/Setting
103	Fine green 11	000 ⇄ 255	0–100%
104	Blue 11	000 ⇄ 255	0–100%
105	Fine blue 11	000 ⇄ 255	0–100%
106	Red 12	000 ⇄ 255	0–100%
107	Fine red 12	000 ⇄ 255	0–100%
108	Green 12	000 ⇄ 255	0–100%
109	Fine green 12	000 ⇄ 255	0–100%
110	Blue 12	000 ⇄ 255	0–100%
111	Fine blue 12	000 ⇄ 255	0–100%
112	Red 13	000 ⇄ 255	0–100%
113	Fine red 13	000 ⇄ 255	0–100%
114	Green 13	000 ⇄ 255	0–100%
115	Fine green 13	000 ⇄ 255	0–100%
116	Blue 13	000 ⇄ 255	0–100%
117	Fine blue 13	000 ⇄ 255	0–100%
118	White 13	000 ⇄ 255	0–100%
119	Fine white 13	000 ⇄ 255	0–100%
120	Red 14	000 ⇄ 255	0–100%
121	Fine red 14	000 ⇄ 255	0–100%
122	Green 14	000 ⇄ 255	0–100%
123	Fine green 14	000 ⇄ 255	0–100%
124	Blue 14	000 ⇄ 255	0–100%
125	Fine blue 14	000 ⇄ 255	0–100%
126	White 14	000 ⇄ 255	0–100%
127	Fine white 14	000 ⇄ 255	0–100%
128	Red 15	000 ⇄ 255	0–100%
129	Fine red 15	000 ⇄ 255	0–100%
130	Green 15	000 ⇄ 255	0–100%
131	Fine green 15	000 ⇄ 255	0–100%
132	Blue 15	000 ⇄ 255	0–100%
133	Fine blue 15	000 ⇄ 255	0–100%
134	White 15	000 ⇄ 255	0–100%
135	Fine white 15	000 ⇄ 255	0–100%
136	Red 16	000 ⇄ 255	0–100%
137	Fine red 16	000 ⇄ 255	0–100%
138	Green 16	000 ⇄ 255	0–100%
139	Fine green 16	000 ⇄ 255	0–100%
140	Blue 16	000 ⇄ 255	0–100%
141	Fine blue 16	000 ⇄ 255	0–100%
142	White 16	000 ⇄ 255	0–100%
143	Fine white 16	000 ⇄ 255	0–100%
144	Red 17	000 ⇄ 255	0–100%
145	Fine red 17	000 ⇄ 255	0–100%
146	Green 17	000 ⇄ 255	0–100%
147	Fine green 17	000 ⇄ 255	0–100%
148	Blue 17	000 ⇄ 255	0–100%
149	Fine blue 17	000 ⇄ 255	0–100%
150	White 17	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting
151	Fine white 17	000 ⇄ 255	0–100%
152	Red 18	000 ⇄ 255	0–100%
153	Fine red 18	000 ⇄ 255	0–100%
154	Green 18	000 ⇄ 255	0–100%
155	Fine green 18	000 ⇄ 255	0–100%
156	Blue 18	000 ⇄ 255	0–100%
157	Fine blue 18	000 ⇄ 255	0–100%
158	White 18	000 ⇄ 255	0–100%
159	Fine white 18	000 ⇄ 255	0–100%
160	Red 19	000 ⇄ 255	0–100%
161	Fine red 19	000 ⇄ 255	0–100%
162	Green 19	000 ⇄ 255	0–100%
163	Fine green 19	000 ⇄ 255	0–100%
164	Blue 19	000 ⇄ 255	0–100%
165	Fine blue 19	000 ⇄ 255	0–100%
166	White 19	000 ⇄ 255	0–100%
167	Fine white 19	000 ⇄ 255	0–100%
168	Red 20	000 ⇄ 255	0–100%
169	Fine red 20	000 ⇄ 255	0–100%
170	Green 20	000 ⇄ 255	0–100%
171	Fine green 20	000 ⇄ 255	0–100%
172	Blue 20	000 ⇄ 255	0–100%
173	Fine blue 20	000 ⇄ 255	0–100%
174	White 20	000 ⇄ 255	0–100%
175	Fine white 20	000 ⇄ 255	0–100%
176	Red 21	000 ⇄ 255	0–100%
177	Fine red 21	000 ⇄ 255	0–100%
178	Green 21	000 ⇄ 255	0–100%
179	Fine green 21	000 ⇄ 255	0–100%
180	Blue 21	000 ⇄ 255	0–100%
181	Fine blue 21	000 ⇄ 255	0–100%
182	White 21	000 ⇄ 255	0–100%
183	Fine white 21	000 ⇄ 255	0–100%
184	Red 22	000 ⇄ 255	0–100%
185	Fine red 22	000 ⇄ 255	0–100%
186	Green 22	000 ⇄ 255	0–100%
187	Fine green 22	000 ⇄ 255	0–100%
188	Blue 22	000 ⇄ 255	0–100%
189	Fine blue 22	000 ⇄ 255	0–100%
190	White 22	000 ⇄ 255	0–100%
191	Fine white 22	000 ⇄ 255	0–100%
192	Red 23	000 ⇄ 255	0–100%
193	Fine red 23	000 ⇄ 255	0–100%
194	Green 23	000 ⇄ 255	0–100%
195	Fine green 23	000 ⇄ 255	0–100%
196	Blue 23	000 ⇄ 255	0–100%
197	Fine blue 23	000 ⇄ 255	0–100%
198	White 23	000 ⇄ 255	0–100%

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Channel	Function	Value	Percent/Setting
199	Fine white 23	000 ⇄ 255	0–100%
200	Red 24	000 ⇄ 255	0–100%
201	Fine red 24	000 ⇄ 255	0–100%
202	Green 24	000 ⇄ 255	0–100%
203	Fine green 24	000 ⇄ 255	0–100%
204	Blue 24	000 ⇄ 255	0–100%
205	Fine blue 24	000 ⇄ 255	0–100%
206	White 24	000 ⇄ 255	0–100%
207	Fine white 24	000 ⇄ 255	0–100%
208	Red 25	000 ⇄ 255	0–100%
209	Fine red 25	000 ⇄ 255	0–100%
210	Green 25	000 ⇄ 255	0–100%
211	Fine green 25	000 ⇄ 255	0–100%
212	Blue 25	000 ⇄ 255	0–100%
213	Fine blue 25	000 ⇄ 255	0–100%
214	White 25	000 ⇄ 255	0–100%
215	Fine white 25	000 ⇄ 255	0–100%
216	Red 26	000 ⇄ 255	0–100%
217	Fine red 26	000 ⇄ 255	0–100%
218	Green 26	000 ⇄ 255	0–100%
219	Fine green 26	000 ⇄ 255	0–100%
220	Blue 26	000 ⇄ 255	0–100%
221	Fine blue 26	000 ⇄ 255	0–100%
222	White 26	000 ⇄ 255	0–100%
223	Fine white 26	000 ⇄ 255	0–100%
224	Red 27	000 ⇄ 255	0–100%
225	Fine red 27	000 ⇄ 255	0–100%
226	Green 27	000 ⇄ 255	0–100%
227	Fine green 27	000 ⇄ 255	0–100%
228	Blue 27	000 ⇄ 255	0–100%
229	Fine blue 27	000 ⇄ 255	0–100%
230	White 27	000 ⇄ 255	0–100%
231	Fine white 27	000 ⇄ 255	0–100%
232	Red 28	000 ⇄ 255	0–100%
233	Fine red 28	000 ⇄ 255	0–100%
234	Green 28	000 ⇄ 255	0–100%
235	Fine green 28	000 ⇄ 255	0–100%
236	Blue 28	000 ⇄ 255	0–100%
237	Fine blue 28	000 ⇄ 255	0–100%
238	White 28	000 ⇄ 255	0–100%
239	Fine white 28	000 ⇄ 255	0–100%
240	Red 29	000 ⇄ 255	0–100%
241	Fine red 29	000 ⇄ 255	0–100%
242	Green 29	000 ⇄ 255	0–100%
243	Fine green 29	000 ⇄ 255	0–100%
244	Blue 29	000 ⇄ 255	0–100%
245	Fine blue 29	000 ⇄ 255	0–100%
246	White 29	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting
247	Fine white 29	000 ⇔ 255	0–100%
248	Red 30	000 ⇔ 255	0–100%
249	Fine red 30	000 ⇔ 255	0–100%
250	Green 30	000 ⇔ 255	0–100%
251	Fine green 30	000 ⇔ 255	0–100%
252	Blue 30	000 ⇔ 255	0–100%
253	Fine blue 30	000 ⇔ 255	0–100%
254	White 30	000 ⇔ 255	0–100%
255	Fine white 30	000 ⇔ 255	0–100%
256	Red 31	000 ⇔ 255	0–100%
257	Fine red 31	000 ⇔ 255	0–100%
258	Green 31	000 ⇔ 255	0–100%
259	Fine green 31	000 ⇔ 255	0–100%
260	Blue 31	000 ⇔ 255	0–100%
261	Fine blue 31	000 ⇔ 255	0–100%
262	White 31	000 ⇔ 255	0–100%
263	Fine white 31	000 ⇔ 255	0–100%

Standard (143 channels)

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine pan	000 ⇔ 255	0–100%
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	0–100%
5	Pan/tilt speed	000 ⇔ 255	Pan/tilt speed, fast to slow
6	Ring CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
7	Main CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
8	Ring foreground color	000 ⇔ 255	See the Color Chart
9	Main foreground color	000 ⇔ 255	See the Color Chart
10	Ring gobo	000 ⇔ 004	No function
		005 ⇔ 255	Gobos (indexed)
11	Main gobo	000	No function
		001 ⇔ 255	Gobos (indexed)
12	Ring LED macro/Automatic program	000 ⇔ 005	No function
		006 ⇔ 115	LED macros
		116 ⇔ 215	Automatic programs
		216 ⇔ 255	No function
13	Ring macro/program speed	000 ⇔ 127	Macro/program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
14	Ring LED delay	000 ⇔ 255	Built-in LED delay, short to long
15	Main LED macro/Automatic program	000 ⇔ 015	No function
		016 ⇔ 135	LED macros
		136 ⇔ 255	Automatic programs

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Channel	Function	Value	Percent/Setting
16	Main macro/program speed	000 ⇔ 127	Macro/program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
17	Main LED delay	000 ⇔ 255	Built-in LED delay, short to long
18	Ring background color	000 ⇔ 255	See the Color Chart
19	Ring background dimmer	000 ⇔ 255	0–100%
20	Main background color	000 ⇔ 255	See the Color Chart
21	Main background dimmer	000 ⇔ 255	0–100%
22	Ring foreground dimmer	000 ⇔ 255	0–100%
23	Main foreground dimmer	000 ⇔ 255	0–100%
24	Ring strobe	000 ⇔ 255	See the Strobe Chart
25	Main strobe	000 ⇔ 255	See the Strobe Chart
26	Zoom	000 ⇔ 255	Zoom, narrow to wide
27	Control	000 ⇔ 255	See the Control Chart
28	All foreground red	000 ⇔ 255	0–100%
29	All foreground green	000 ⇔ 255	0–100%
30	All foreground blue	000 ⇔ 255	0–100%
31	All foreground white	000 ⇔ 255	0–100%
32	Red 1	000 ⇔ 255	0–100%
33	Green 1	000 ⇔ 255	0–100%
34	Blue 1	000 ⇔ 255	0–100%
35	Red 2	000 ⇔ 255	0–100%
36	Green 2	000 ⇔ 255	0–100%
37	Blue 2	000 ⇔ 255	0–100%
38	Red 3	000 ⇔ 255	0–100%
39	Green 3	000 ⇔ 255	0–100%
40	Blue 3	000 ⇔ 255	0–100%
41	Red 4	000 ⇔ 255	0–100%
42	Green 4	000 ⇔ 255	0–100%
43	Blue 4	000 ⇔ 255	0–100%
44	Red 5	000 ⇔ 255	0–100%
45	Green 5	000 ⇔ 255	0–100%
46	Blue 5	000 ⇔ 255	0–100%
47	Red 6	000 ⇔ 255	0–100%
48	Green 6	000 ⇔ 255	0–100%
49	Blue 6	000 ⇔ 255	0–100%
50	Red 7	000 ⇔ 255	0–100%
51	Green 7	000 ⇔ 255	0–100%
52	Blue 7	000 ⇔ 255	0–100%
53	Red 8	000 ⇔ 255	0–100%
54	Green 8	000 ⇔ 255	0–100%
55	Blue 8	000 ⇔ 255	0–100%
56	Red 9	000 ⇔ 255	0–100%
57	Green 9	000 ⇔ 255	0–100%
58	Blue 9	000 ⇔ 255	0–100%
59	Red 10	000 ⇔ 255	0–100%
60	Green 10	000 ⇔ 255	0–100%
61	Blue 10	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
62	Red 11	000 ⇄ 255	0–100%
63	Green 1	000 ⇄ 255	0–100%
64	Blue 11	000 ⇄ 255	0–100%
65	Red 12	000 ⇄ 255	0–100%
66	Green 12	000 ⇄ 255	0–100%
67	Blue 12	000 ⇄ 255	0–100%
68	Red 13	000 ⇄ 255	0–100%
69	Green 13	000 ⇄ 255	0–100%
70	Blue 13	000 ⇄ 255	0–100%
71	White 13	000 ⇄ 255	0–100%
72	Red 14	000 ⇄ 255	0–100%
73	Green 14	000 ⇄ 255	0–100%
74	Blue 14	000 ⇄ 255	0–100%
75	White 14	000 ⇄ 255	0–100%
76	Red 15	000 ⇄ 255	0–100%
77	Green 15	000 ⇄ 255	0–100%
78	Blue 15	000 ⇄ 255	0–100%
79	White 15	000 ⇄ 255	0–100%
80	Red 16	000 ⇄ 255	0–100%
81	Green 16	000 ⇄ 255	0–100%
82	Blue 16	000 ⇄ 255	0–100%
83	White 16	000 ⇄ 255	0–100%
84	Red 17	000 ⇄ 255	0–100%
85	Green 17	000 ⇄ 255	0–100%
86	Blue 17	000 ⇄ 255	0–100%
87	White 17	000 ⇄ 255	0–100%
88	Red 18	000 ⇄ 255	0–100%
89	Green 18	000 ⇄ 255	0–100%
90	Blue 18	000 ⇄ 255	0–100%
91	White 18	000 ⇄ 255	0–100%
92	Red 19	000 ⇄ 255	0–100%
93	Green 19	000 ⇄ 255	0–100%
94	Blue 19	000 ⇄ 255	0–100%
95	White 19	000 ⇄ 255	0–100%
96	Red 20	000 ⇄ 255	0–100%
97	Green 20	000 ⇄ 255	0–100%
98	Blue 20	000 ⇄ 255	0–100%
99	White 20	000 ⇄ 255	0–100%
100	Red 21	000 ⇄ 255	0–100%
101	Green 21	000 ⇄ 255	0–100%
102	Blue 21	000 ⇄ 255	0–100%
103	White 21	000 ⇄ 255	0–100%
104	Red 22	000 ⇄ 255	0–100%
105	Green 22	000 ⇄ 255	0–100%
106	Blue 22	000 ⇄ 255	0–100%
107	White 22	000 ⇄ 255	0–100%
108	Red 23	000 ⇄ 255	0–100%
109	Green 23	000 ⇄ 255	0–100%

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Channel	Function	Value	Percent/Setting
110	Blue 23	000 ⇔ 255	0–100%
111	White 23	000 ⇔ 255	0–100%
112	Red 24	000 ⇔ 255	0–100%
113	Green 24	000 ⇔ 255	0–100%
114	Blue 24	000 ⇔ 255	0–100%
115	White 24	000 ⇔ 255	0–100%
116	Red 25	000 ⇔ 255	0–100%
117	Green 25	000 ⇔ 255	0–100%
118	Blue 25	000 ⇔ 255	0–100%
119	White 25	000 ⇔ 255	0–100%
120	Red 26	000 ⇔ 255	0–100%
121	Green 26	000 ⇔ 255	0–100%
122	Blue 26	000 ⇔ 255	0–100%
123	White 26	000 ⇔ 255	0–100%
124	Red 27	000 ⇔ 255	0–100%
125	Green 27	000 ⇔ 255	0–100%
126	Blue 27	000 ⇔ 255	0–100%
127	White 27	000 ⇔ 255	0–100%
128	Red 28	000 ⇔ 255	0–100%
129	Green 28	000 ⇔ 255	0–100%
130	Blue 28	000 ⇔ 255	0–100%
131	White 28	000 ⇔ 255	0–100%
132	Red 29	000 ⇔ 255	0–100%
133	Green 29	000 ⇔ 255	0–100%
134	Blue 29	000 ⇔ 255	0–100%
135	White 29	000 ⇔ 255	0–100%
136	Red 30	000 ⇔ 255	0–100%
137	Green 30	000 ⇔ 255	0–100%
138	Blue 30	000 ⇔ 255	0–100%
139	White 30	000 ⇔ 255	0–100%
140	Red 31	000 ⇔ 255	0–100%
141	Green 31	000 ⇔ 255	0–100%
142	Blue 31	000 ⇔ 255	0–100%
143	White 31	000 ⇔ 255	0–100%

Basic2 (37 channels)

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine pan	000 ⇔ 255	0–100%
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	0–100%
5	Pan/tilt speed	000 ⇔ 255	Pan/tilt speed, fast to slow
6	Ring CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
7	Main CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
8	Ring foreground color	000 ⇔ 255	See the Color Chart
9	Main foreground color	000 ⇔ 255	See the Color Chart

Channel	Function	Value	Percent/Setting
10	Ring gobo	000 ⇔ 004 005 ⇔ 255	No function Gobos (indexed)
11	Main gobo	000 001 ⇔ 255	No function Gobos (indexed)
12	Ring LED macro/Automatic program	000 ⇔ 005 006 ⇔ 115 116 ⇔ 215 216 ⇔ 255	No function LED macros Automatic programs No function
13	Ring macro/program speed	000 ⇔ 127 128 129 ⇔ 255	Macro/program speed, fast to slow Stop Reverse macro/program, slow to fast
14	Ring LED delay	000 ⇔ 255	Built-in LED delay, short to long
15	Main LED macro/Automatic program	000 ⇔ 015 016 ⇔ 135 136 ⇔ 255	No function LED macros Automatic programs
16	Main macro/program speed	000 ⇔ 127 128 129 ⇔ 255	Macro/program speed, fast to slow Stop Reverse macro/program, slow to fast
17	Main LED delay	000 ⇔ 255	Built-in LED delay, short to long
18	Ring background color	000 ⇔ 255	See the Color Chart
19	Ring background dimmer	000 ⇔ 255	0–100%
20	Main background color	000 ⇔ 255	See the Color Chart
21	Main background dimmer	000 ⇔ 255	0–100%
22	Ring foreground dimmer	000 ⇔ 255	0–100%
23	Ring foreground fine dimmer	000 ⇔ 255	0–100%
24	Main foreground dimmer	000 ⇔ 255	0–100%
25	Main foreground fine dimmer	000 ⇔ 255	0–100%
26	Ring strobe	000 ⇔ 255	See the Strobe Chart
27	Main strobe	000 ⇔ 255	See the Strobe Chart
28	Zoom	000 ⇔ 255	Zoom, narrow to wide
29	Control	000 ⇔ 255	See the Control Chart
30	All foreground red	000 ⇔ 255	0–100%
31	All foreground fine red	000 ⇔ 255	0–100%
32	All foreground green	000 ⇔ 255	0–100%
33	All foreground fine green	000 ⇔ 255	0–100%
34	All foreground blue	000 ⇔ 255	0–100%
35	All foreground fine blue	000 ⇔ 255	0–100%
36	All foreground white	000 ⇔ 255	0–100%
37	All foreground fine white	000 ⇔ 255	0–100%

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Basic (31 channels)

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine pan	000 ⇔ 255	0–100%
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	0–100%
5	Pan/tilt speed	000 ⇔ 255	Pan/tilt speed, fast to slow
6	Ring CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
7	Main CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
8	Ring foreground color	000 ⇔ 255	See the Color Chart
9	Main foreground color	000 ⇔ 255	See the Color Chart
10	Ring gobo	000 ⇔ 004	No function
		005 ⇔ 255	Gobos (indexed)
11	Main gobo	000	No function
		001 ⇔ 255	Gobos (indexed)
12	Ring LED macro/Automatic program	000 ⇔ 005	No function
		006 ⇔ 115	LED macros
		116 ⇔ 215	Automatic programs
		216 ⇔ 255	No function
13	Ring macro/program speed	000 ⇔ 127	Macro/program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
14	Ring LED delay	000 ⇔ 255	Built-in LED delay, short to long
15	Main LED macro/Automatic program	000 ⇔ 015	No function
		016 ⇔ 135	LED macros
		136 ⇔ 255	Automatic programs
16	Main macro/program speed	000 ⇔ 127	Macro/program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
17	Main LED delay	000 ⇔ 255	Built-in LED delay, short to long
18	Ring background color	000 ⇔ 255	See the Color Chart
19	Ring background dimmer	000 ⇔ 255	0–100%
20	Main background color	000 ⇔ 255	See the Color Chart
21	Main background dimmer	000 ⇔ 255	0–100%
22	Ring foreground dimmer	000 ⇔ 255	0–100%
23	Main foreground dimmer	000 ⇔ 255	0–100%
24	Ring strobe	000 ⇔ 255	See the Strobe Chart
25	Main strobe	000 ⇔ 255	See the Strobe Chart
26	Zoom	000 ⇔ 255	Zoom, narrow to wide
27	Control	000 ⇔ 255	See the Control Chart
28	All foreground red	000 ⇔ 255	0–100%
29	All foreground green	000 ⇔ 255	0–100%
30	All foreground blue	000 ⇔ 255	0–100%
31	All foreground white	000 ⇔ 255	0–100%

Busk (19 channels)

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Tilt	000 ⇔ 255	0–100%
3	Pan/tilt speed	000 ⇔ 255	Pan/tilt speed, fast to slow
4	Ring dimmer	000 ⇔ 255	0–100%
5	Ring strobe	000 ⇔ 255	See the Strobe Chart
6	Red	000 ⇔ 255	0–100%
7	Green	000 ⇔ 255	0–100%
8	Blue	000 ⇔ 255	0–100%
9	White	000 ⇔ 255	0–100%
10	Ring color	000 ⇔ 255	See the Color Chart
11	Ring LED macro/Automatic program	000 ⇔ 005	No function
		006 ⇔ 115	LED macros
		116 ⇔ 215	Automatic programs
		216 ⇔ 255	No function
12	Ring macro/program speed	000 ⇔ 127	Macro/program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
13	Main dimmer	000 ⇔ 255	0–100%
14	Main strobe	000 ⇔ 255	See the Strobe Chart
15	Main color	000 ⇔ 255	See the Color Chart
16	Main LED macro/Automatic program	000 ⇔ 015	No function
		016 ⇔ 135	LED macros
		136 ⇔ 255	Automatic programs
17	Main macro/program speed	000 ⇔ 127	Macro/program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
18	Zoom	000 ⇔ 255	Zoom, narrow to wide
19	Control	000 ⇔ 255	See the Control Chart

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Basic3 (37 channels)

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine pan	000 ⇔ 255	0–100%
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	0–100%
5	Pan/tilt speed	000 ⇔ 255	Pan/tilt speed, fast to slow
6	CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
7	Ring foreground color	000 ⇔ 255	See the Color Chart
8	Main foreground color	000 ⇔ 255	See the Color Chart
9	Ring gobo	000 ⇔ 004	No function
		005 ⇔ 255	Gobos (indexed)
10	Ring LED macro/Automatic program	000 ⇔ 005	No function
		006 ⇔ 115	LED macros
		116 ⇔ 215	Automatic programs
		216 ⇔ 255	No function
11	Ring macro/program speed	000 ⇔ 127	Macro/program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
12	Ring LED delay	000 ⇔ 255	Built-in LED delay, short to long
13	Ring background color	000 ⇔ 255	See the Color Chart
14	Ring bg. dimmer	000 ⇔ 255	0–100%
15	Ring bg. fine dimmer	000 ⇔ 255	0–100%
16	Ring fg. dimmer	000 ⇔ 255	0–100%
17	Ring fg. fine dimmer	000 ⇔ 255	0–100%
18	Main fg. dimmer	000 ⇔ 255	0–100%
19	Main fg. fine dimmer	000 ⇔ 255	0–100%
20	Ring strobe	000 ⇔ 255	See the Strobe Chart
21	Main strobe	000 ⇔ 255	See the Strobe Chart
22	Zoom	000 ⇔ 255	Zoom, narrow to wide
23	Control	000 ⇔ 255	See the Control Chart
24	Ring red	000 ⇔ 255	0–100%
25	Fine ring red	000 ⇔ 255	0–100%
26	Ring green	000 ⇔ 255	0–100%
27	Fine ring green	000 ⇔ 255	0–100%
28	Ring blue	000 ⇔ 255	0–100%
29	Fine ring blue	000 ⇔ 255	0–100%
30	Main red	000 ⇔ 255	0–100%
31	Fine main red	000 ⇔ 255	0–100%
32	Main green	000 ⇔ 255	0–100%
33	Fine main green	000 ⇔ 255	0–100%
34	Main blue	000 ⇔ 255	0–100%
35	Fine main blue	000 ⇔ 255	0–100%
36	Main white	000 ⇔ 255	0–100%
37	Fine main white	000 ⇔ 255	0–100%

Dual Control Mode (Movement)

Advanced (45 channels)

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine pan	000 ⇔ 255	0–100%
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	0–100%
5	Pan/tilt speed	000 ⇔ 255	Pan/tilt speed, fast to slow
6	Ring CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
7	Main CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
8	Ring foreground color	000 ⇔ 255	See the Color Chart
9	Main foreground color	000 ⇔ 255	See the Color Chart
10	Ring gobo	000 ⇔ 004	No function
		005 ⇔ 255	Gobos (indexed)
11	Main gobo	000	No function
		001 ⇔ 255	Gobos (indexed)
12	Ring LED macro/Automatic program	000 ⇔ 005	No function
		006 ⇔ 115	LED macros
		116 ⇔ 215	Automatic programs
		216 ⇔ 255	No function
13	Ring macro/program speed	000 ⇔ 127	LED macro/automatic program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
14	Ring LED delay	000 ⇔ 255	Built-in LED delay, short to long
15	Main LED macro/Automatic program	000 ⇔ 015	No function
		016 ⇔ 135	LED macros
		136 ⇔ 255	Automatic programs
16	Main macro/program speed	000 ⇔ 127	LED macro/automatic program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
17	Main LED delay	000 ⇔ 255	Built-in LED delay, short to long
18	Ring background color	000 ⇔ 255	See the Color Chart
19	Ring background dimmer	000 ⇔ 255	0–100%
20	Ring background fine dimmer	000 ⇔ 255	0–100%
21	Main background color	000 ⇔ 255	See the Color Chart
22	Main background dimmer	000 ⇔ 255	0–100%
23	Main background fine dimmer	000 ⇔ 255	0–100%
24	Ring foreground dimmer	000 ⇔ 255	0–100%
25	Ring foreground fine dimmer	000 ⇔ 255	0–100%
26	Main foreground dimmer	000 ⇔ 255	0–100%
27	Main foreground fine dimmer	000 ⇔ 255	0–100%
28	Ring strobe	000 ⇔ 255	See the Strobe Chart
29	Main strobe	000 ⇔ 255	See the Strobe Chart
30	Zoom	000 ⇔ 255	Zoom, narrow to wide
31	Control	000 ⇔ 255	See the Control Chart
32	Ring foreground red	000 ⇔ 255	0–100%
33	Ring foreground fine red	000 ⇔ 255	0–100%

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Channel	Function	Value	Percent/Setting
34	Main foreground red	000 ⇔ 255	0–100%
35	Main foreground fine red	000 ⇔ 255	0–100%
36	Ring foreground green	000 ⇔ 255	0–100%
37	Ring foreground fine green	000 ⇔ 255	0–100%
38	Main foreground green	000 ⇔ 255	0–100%
39	Main foreground fine green	000 ⇔ 255	0–100%
40	Ring foreground blue	000 ⇔ 255	0–100%
41	Ring foreground fine blue	000 ⇔ 255	0–100%
42	Main foreground blue	000 ⇔ 255	0–100%
43	Main foreground fine blue	000 ⇔ 255	0–100%
44	Main foreground white	000 ⇔ 255	0–100%
45	Main foreground fine white	000 ⇔ 255	0–100%

Standard (34 channels)

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine pan	000 ⇔ 255	0–100%
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	0–100%
5	Pan/tilt speed	000 ⇔ 255	Pan/tilt speed, fast to slow
6	Ring CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
7	Main CTC	000	No function
		001 ⇔ 255	Color temperature correction, 19000K to 2700K
8	Ring foreground color	000 ⇔ 255	See the Color Chart
9	Main foreground color	000 ⇔ 255	See the Color Chart
10	Ring gobo	000 ⇔ 004	No function
		005 ⇔ 255	Gobos (indexed)
11	Main gobo	000	No function
		001 ⇔ 255	Gobos (indexed)
12	Ring LED macro/Automatic program	000 ⇔ 005	No function
		006 ⇔ 115	LED macros
		116 ⇔ 215	Automatic programs
		216 ⇔ 255	No function
13	Ring macro/program speed	000 ⇔ 127	LED macro/automatic program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
14	Ring LED delay	000 ⇔ 255	Built-in LED delay, short to long
15	Main LED macro/Automatic program	000 ⇔ 015	No function
		016 ⇔ 135	LED macros
		136 ⇔ 255	Automatic programs
16	Main macro/program speed	000 ⇔ 127	LED macro/automatic program speed, fast to slow
		128	Stop
		129 ⇔ 255	Reverse macro/program, slow to fast
17	Main LED delay	000 ⇔ 255	Built-in LED delay, short to long
18	Ring background color	000 ⇔ 255	See the Color Chart
19	Ring background dimmer	000 ⇔ 255	0–100%
20	Main background color	000 ⇔ 255	See the Color Chart

Channel	Function	Value	Percent/Setting
21	Main background dimmer	000 ⇄ 255	0–100%
22	Ring foreground dimmer	000 ⇄ 255	0–100%
23	Main foreground dimmer	000 ⇄ 255	0–100%
24	Ring strobe	000 ⇄ 255	See the Strobe Chart
25	Main strobe	000 ⇄ 255	See the Strobe Chart
26	Zoom	000 ⇄ 255	Zoom, narrow to wide
27	Control	000 ⇄ 255	See the Control Chart
28	Ring foreground red	000 ⇄ 255	0–100%
29	Main foreground red	000 ⇄ 255	0–100%
30	Ring foreground green	000 ⇄ 255	0–100%
31	Main foreground green	000 ⇄ 255	0–100%
32	Ring foreground blue	000 ⇄ 255	0–100%
33	Main foreground blue	000 ⇄ 255	0–100%
34	Main foreground white	000 ⇄ 255	0–100%

Basic (11 channels)

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇄ 255	0–100%
2	Fine pan	000 ⇄ 255	0–100%
3	Tilt	000 ⇄ 255	0–100%
4	Fine tilt	000 ⇄ 255	0–100%
5	Pan/tilt speed	000 ⇄ 255	Pan/tilt speed, fast to slow
6	Ring foreground dimmer	000 ⇄ 255	0–100%
7	Main foreground dimmer	000 ⇄ 255	0–100%
8	Ring strobe	000 ⇄ 255	See the Strobe Chart
9	Main strobe	000 ⇄ 255	See the Strobe Chart
10	Zoom	000 ⇄ 255	Zoom, narrow to wide
11	Control	000 ⇄ 255	See the Control Chart

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Dual Control Mode (Pixels)

Advanced (224 channels)

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇄ 255	0–100%
2	Fine red 1	000 ⇄ 255	0–100%
3	Green 1	000 ⇄ 255	0–100%
4	Fine green 1	000 ⇄ 255	0–100%
5	Blue 1	000 ⇄ 255	0–100%
6	Fine blue 1	000 ⇄ 255	0–100%
7	Red 2	000 ⇄ 255	0–100%
8	Fine red 2	000 ⇄ 255	0–100%
9	Green 2	000 ⇄ 255	0–100%
10	Fine green 2	000 ⇄ 255	0–100%
11	Blue 2	000 ⇄ 255	0–100%
12	Fine blue 2	000 ⇄ 255	0–100%
13	Red 3	000 ⇄ 255	0–100%
14	Fine red 3	000 ⇄ 255	0–100%
15	Green 3	000 ⇄ 255	0–100%
16	Fine green 3	000 ⇄ 255	0–100%
17	Blue 3	000 ⇄ 255	0–100%
18	Fine blue 3	000 ⇄ 255	0–100%
19	Red 4	000 ⇄ 255	0–100%
20	Fine red 4	000 ⇄ 255	0–100%
21	Green 4	000 ⇄ 255	0–100%
22	Fine green 4	000 ⇄ 255	0–100%
23	Blue 4	000 ⇄ 255	0–100%
24	Fine blue 4	000 ⇄ 255	0–100%
25	Red 5	000 ⇄ 255	0–100%
26	Fine red 5	000 ⇄ 255	0–100%
27	Green 5	000 ⇄ 255	0–100%
28	Fine green 5	000 ⇄ 255	0–100%
29	Blue 5	000 ⇄ 255	0–100%
30	Fine blue 5	000 ⇄ 255	0–100%
31	Red 6	000 ⇄ 255	0–100%
32	Fine red 6	000 ⇄ 255	0–100%
33	Green 6	000 ⇄ 255	0–100%
34	Fine green 6	000 ⇄ 255	0–100%
35	Blue 6	000 ⇄ 255	0–100%
36	Fine blue 6	000 ⇄ 255	0–100%
37	Red 7	000 ⇄ 255	0–100%
38	Fine red 7	000 ⇄ 255	0–100%
39	Green 7	000 ⇄ 255	0–100%
40	Fine green 7	000 ⇄ 255	0–100%
41	Blue 7	000 ⇄ 255	0–100%
42	Fine blue 7	000 ⇄ 255	0–100%
43	Red 8	000 ⇄ 255	0–100%
44	Fine red 8	000 ⇄ 255	0–100%
45	Green 8	000 ⇄ 255	0–100%
46	Fine green 8	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting
47	Blue 8	000 ⇔ 255	0–100%
48	Fine blue 8	000 ⇔ 255	0–100%
49	Red 9	000 ⇔ 255	0–100%
50	Fine red 9	000 ⇔ 255	0–100%
51	Green 9	000 ⇔ 255	0–100%
52	Fine green 9	000 ⇔ 255	0–100%
53	Blue 9	000 ⇔ 255	0–100%
54	Fine blue 9	000 ⇔ 255	0–100%
55	Red 10	000 ⇔ 255	0–100%
56	Fine red 10	000 ⇔ 255	0–100%
57	Green 10	000 ⇔ 255	0–100%
58	Fine green 10	000 ⇔ 255	0–100%
59	Blue 10	000 ⇔ 255	0–100%
60	Fine blue 10	000 ⇔ 255	0–100%
61	Red 11	000 ⇔ 255	0–100%
62	Fine red 11	000 ⇔ 255	0–100%
63	Green 11	000 ⇔ 255	0–100%
64	Fine green 11	000 ⇔ 255	0–100%
65	Blue 11	000 ⇔ 255	0–100%
66	Fine blue 11	000 ⇔ 255	0–100%
67	Red 12	000 ⇔ 255	0–100%
68	Fine red 12	000 ⇔ 255	0–100%
69	Green 12	000 ⇔ 255	0–100%
70	Fine green 12	000 ⇔ 255	0–100%
71	Blue 12	000 ⇔ 255	0–100%
72	Fine blue 12	000 ⇔ 255	0–100%
73	Red 13	000 ⇔ 255	0–100%
74	Fine red 13	000 ⇔ 255	0–100%
75	Green 13	000 ⇔ 255	0–100%
76	Fine green 13	000 ⇔ 255	0–100%
77	Blue 13	000 ⇔ 255	0–100%
78	Fine blue 13	000 ⇔ 255	0–100%
79	White 13	000 ⇔ 255	0–100%
80	Fine white 13	000 ⇔ 255	0–100%
81	Red 14	000 ⇔ 255	0–100%
82	Fine red 14	000 ⇔ 255	0–100%
83	Green 14	000 ⇔ 255	0–100%
84	Fine green 14	000 ⇔ 255	0–100%
85	Blue 14	000 ⇔ 255	0–100%
86	Fine blue 14	000 ⇔ 255	0–100%
87	White 14	000 ⇔ 255	0–100%
88	Fine white 14	000 ⇔ 255	0–100%
89	Red 15	000 ⇔ 255	0–100%
90	Fine red 15	000 ⇔ 255	0–100%
91	Green 15	000 ⇔ 255	0–100%
92	Fine green 15	000 ⇔ 255	0–100%
93	Blue 15	000 ⇔ 255	0–100%
94	Fine blue 15	000 ⇔ 255	0–100%

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Channel	Function	Value	Percent/Setting
95	White 15	000 ⇄ 255	0–100%
96	Fine white 15	000 ⇄ 255	0–100%
97	Red 16	000 ⇄ 255	0–100%
98	Fine red 16	000 ⇄ 255	0–100%
99	Green 16	000 ⇄ 255	0–100%
100	Fine green 16	000 ⇄ 255	0–100%
101	Blue 16	000 ⇄ 255	0–100%
102	Fine blue 16	000 ⇄ 255	0–100%
103	White 16	000 ⇄ 255	0–100%
104	Fine white 16	000 ⇄ 255	0–100%
105	Red 17	000 ⇄ 255	0–100%
106	Fine red 17	000 ⇄ 255	0–100%
107	Green 17	000 ⇄ 255	0–100%
108	Fine green 17	000 ⇄ 255	0–100%
109	Blue 17	000 ⇄ 255	0–100%
110	Fine blue 17	000 ⇄ 255	0–100%
111	White 17	000 ⇄ 255	0–100%
112	Fine white 17	000 ⇄ 255	0–100%
113	Red 18	000 ⇄ 255	0–100%
114	Fine red 18	000 ⇄ 255	0–100%
115	Green 18	000 ⇄ 255	0–100%
116	Fine green 18	000 ⇄ 255	0–100%
117	Blue 18	000 ⇄ 255	0–100%
118	Fine blue 18	000 ⇄ 255	0–100%
119	White 18	000 ⇄ 255	0–100%
120	Fine white 18	000 ⇄ 255	0–100%
121	Red 19	000 ⇄ 255	0–100%
122	Fine red 19	000 ⇄ 255	0–100%
123	Green 19	000 ⇄ 255	0–100%
124	Fine green 19	000 ⇄ 255	0–100%
125	Blue 19	000 ⇄ 255	0–100%
126	Fine blue 19	000 ⇄ 255	0–100%
127	White 19	000 ⇄ 255	0–100%
128	Fine white 19	000 ⇄ 255	0–100%
129	Red 20	000 ⇄ 255	0–100%
130	Fine red 20	000 ⇄ 255	0–100%
131	Green 20	000 ⇄ 255	0–100%
132	Fine green 20	000 ⇄ 255	0–100%
133	Blue 20	000 ⇄ 255	0–100%
134	Fine blue 20	000 ⇄ 255	0–100%
135	White 20	000 ⇄ 255	0–100%
136	Fine white 20	000 ⇄ 255	0–100%
137	Red 21	000 ⇄ 255	0–100%
138	Fine red 21	000 ⇄ 255	0–100%
139	Green 21	000 ⇄ 255	0–100%
140	Fine green 21	000 ⇄ 255	0–100%
141	Blue 21	000 ⇄ 255	0–100%
142	Fine blue 21	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting
143	White 21	000 ⇄ 255	0–100%
144	Fine white 21	000 ⇄ 255	0–100%
145	Red 22	000 ⇄ 255	0–100%
146	Fine red 22	000 ⇄ 255	0–100%
147	Green 22	000 ⇄ 255	0–100%
148	Fine green 22	000 ⇄ 255	0–100%
149	Blue 22	000 ⇄ 255	0–100%
150	Fine blue 22	000 ⇄ 255	0–100%
151	White 22	000 ⇄ 255	0–100%
152	Fine white 22	000 ⇄ 255	0–100%
153	Red 23	000 ⇄ 255	0–100%
154	Fine red 23	000 ⇄ 255	0–100%
155	Green 23	000 ⇄ 255	0–100%
156	Fine green 23	000 ⇄ 255	0–100%
157	Blue 23	000 ⇄ 255	0–100%
158	Fine blue 23	000 ⇄ 255	0–100%
159	White 23	000 ⇄ 255	0–100%
160	Fine white 23	000 ⇄ 255	0–100%
161	Red 24	000 ⇄ 255	0–100%
162	Fine red 24	000 ⇄ 255	0–100%
163	Green 24	000 ⇄ 255	0–100%
164	Fine green 24	000 ⇄ 255	0–100%
165	Blue 24	000 ⇄ 255	0–100%
166	Fine blue 24	000 ⇄ 255	0–100%
167	White 24	000 ⇄ 255	0–100%
168	Fine white 24	000 ⇄ 255	0–100%
169	Red 25	000 ⇄ 255	0–100%
170	Fine red 25	000 ⇄ 255	0–100%
171	Green 25	000 ⇄ 255	0–100%
172	Fine green 25	000 ⇄ 255	0–100%
173	Blue 25	000 ⇄ 255	0–100%
174	Fine blue 25	000 ⇄ 255	0–100%
175	White 25	000 ⇄ 255	0–100%
176	Fine white 25	000 ⇄ 255	0–100%
177	Red 26	000 ⇄ 255	0–100%
178	Fine red 26	000 ⇄ 255	0–100%
179	Green 26	000 ⇄ 255	0–100%
180	Fine green 26	000 ⇄ 255	0–100%
181	Blue 26	000 ⇄ 255	0–100%
182	Fine blue 26	000 ⇄ 255	0–100%
183	White 26	000 ⇄ 255	0–100%
184	Fine white 26	000 ⇄ 255	0–100%
185	Red 27	000 ⇄ 255	0–100%
186	Fine red 27	000 ⇄ 255	0–100%
187	Green 27	000 ⇄ 255	0–100%
188	Fine green 27	000 ⇄ 255	0–100%
189	Blue 27	000 ⇄ 255	0–100%
190	Fine blue 27	000 ⇄ 255	0–100%

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Channel	Function	Value	Percent/Setting
191	White 27	000 ⇄ 255	0–100%
192	Fine white 27	000 ⇄ 255	0–100%
193	Red 28	000 ⇄ 255	0–100%
194	Fine red 28	000 ⇄ 255	0–100%
195	Green 28	000 ⇄ 255	0–100%
196	Fine green 28	000 ⇄ 255	0–100%
197	Blue 28	000 ⇄ 255	0–100%
198	Fine blue 28	000 ⇄ 255	0–100%
199	White 28	000 ⇄ 255	0–100%
200	Fine white 28	000 ⇄ 255	0–100%
201	Red 29	000 ⇄ 255	0–100%
202	Fine red 29	000 ⇄ 255	0–100%
203	Green 29	000 ⇄ 255	0–100%
204	Fine green 29	000 ⇄ 255	0–100%
205	Blue 29	000 ⇄ 255	0–100%
206	Fine blue 29	000 ⇄ 255	0–100%
207	White 29	000 ⇄ 255	0–100%
208	Fine white 29	000 ⇄ 255	0–100%
209	Red 30	000 ⇄ 255	0–100%
210	Fine red 30	000 ⇄ 255	0–100%
211	Green 30	000 ⇄ 255	0–100%
212	Fine green 30	000 ⇄ 255	0–100%
213	Blue 30	000 ⇄ 255	0–100%
214	Fine blue 30	000 ⇄ 255	0–100%
215	White 30	000 ⇄ 255	0–100%
216	Fine white 30	000 ⇄ 255	0–100%
217	Red 31	000 ⇄ 255	0–100%
218	Fine red 31	000 ⇄ 255	0–100%
219	Green 31	000 ⇄ 255	0–100%
220	Fine green 31	000 ⇄ 255	0–100%
221	Blue 31	000 ⇄ 255	0–100%
222	Fine blue 31	000 ⇄ 255	0–100%
223	White 31	000 ⇄ 255	0–100%
224	Fine white 31	000 ⇄ 255	0–100%

Standard (112 channels)

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇄ 255	0–100%
2	Green 1	000 ⇄ 255	0–100%
3	Blue 1	000 ⇄ 255	0–100%
4	Red 2	000 ⇄ 255	0–100%
5	Green 2	000 ⇄ 255	0–100%
6	Blue 2	000 ⇄ 255	0–100%
7	Red 3	000 ⇄ 255	0–100%
8	Green 3	000 ⇄ 255	0–100%
9	Blue 3	000 ⇄ 255	0–100%
10	Red 4	000 ⇄ 255	0–100%
11	Green 4	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting
12	Blue 4	000 ⇄ 255	0–100%
13	Red 5	000 ⇄ 255	0–100%
14	Green 5	000 ⇄ 255	0–100%
15	Blue 5	000 ⇄ 255	0–100%
16	Red 6	000 ⇄ 255	0–100%
17	Green 6	000 ⇄ 255	0–100%
18	Blue 6	000 ⇄ 255	0–100%
19	Red 7	000 ⇄ 255	0–100%
20	Green 7	000 ⇄ 255	0–100%
21	Blue 7	000 ⇄ 255	0–100%
22	Red 8	000 ⇄ 255	0–100%
23	Green 8	000 ⇄ 255	0–100%
24	Blue 8	000 ⇄ 255	0–100%
25	Red 9	000 ⇄ 255	0–100%
26	Green 9	000 ⇄ 255	0–100%
27	Blue 9	000 ⇄ 255	0–100%
28	Red 10	000 ⇄ 255	0–100%
29	Green 10	000 ⇄ 255	0–100%
30	Blue 10	000 ⇄ 255	0–100%
31	Red 11	000 ⇄ 255	0–100%
32	Green 11	000 ⇄ 255	0–100%
33	Blue 11	000 ⇄ 255	0–100%
34	Red 12	000 ⇄ 255	0–100%
35	Green 12	000 ⇄ 255	0–100%
36	Blue 12	000 ⇄ 255	0–100%
37	Red 13	000 ⇄ 255	0–100%
38	Green 13	000 ⇄ 255	0–100%
39	Blue 13	000 ⇄ 255	0–100%
40	White 13	000 ⇄ 255	0–100%
41	Red 14	000 ⇄ 255	0–100%
42	Green 14	000 ⇄ 255	0–100%
43	Blue 14	000 ⇄ 255	0–100%
44	White 14	000 ⇄ 255	0–100%
45	Red 15	000 ⇄ 255	0–100%
46	Green 15	000 ⇄ 255	0–100%
47	Blue 15	000 ⇄ 255	0–100%
48	White 15	000 ⇄ 255	0–100%
49	Red 16	000 ⇄ 255	0–100%
50	Green 16	000 ⇄ 255	0–100%
51	Blue 16	000 ⇄ 255	0–100%
52	White 16	000 ⇄ 255	0–100%
53	Red 17	000 ⇄ 255	0–100%
54	Green 17	000 ⇄ 255	0–100%
55	Blue 17	000 ⇄ 255	0–100%
56	White 17	000 ⇄ 255	0–100%
57	Red 18	000 ⇄ 255	0–100%
58	Green 18	000 ⇄ 255	0–100%
59	Blue 18	000 ⇄ 255	0–100%

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Channel	Function	Value	Percent/Setting
60	White 18	000 ⇄ 255	0–100%
61	Red 19	000 ⇄ 255	0–100%
62	Green 19	000 ⇄ 255	0–100%
63	Blue 19	000 ⇄ 255	0–100%
64	White 19	000 ⇄ 255	0–100%
65	Red 20	000 ⇄ 255	0–100%
66	Green 20	000 ⇄ 255	0–100%
67	Blue 20	000 ⇄ 255	0–100%
68	White 20	000 ⇄ 255	0–100%
69	Red 21	000 ⇄ 255	0–100%
70	Green 21	000 ⇄ 255	0–100%
71	Blue 21	000 ⇄ 255	0–100%
72	White 21	000 ⇄ 255	0–100%
73	Red 22	000 ⇄ 255	0–100%
74	Green 22	000 ⇄ 255	0–100%
75	Blue 22	000 ⇄ 255	0–100%
76	White 22	000 ⇄ 255	0–100%
77	Red 23	000 ⇄ 255	0–100%
78	Green 23	000 ⇄ 255	0–100%
79	Blue 23	000 ⇄ 255	0–100%
80	White 23	000 ⇄ 255	0–100%
81	Red 24	000 ⇄ 255	0–100%
82	Green 24	000 ⇄ 255	0–100%
83	Blue 24	000 ⇄ 255	0–100%
84	White 24	000 ⇄ 255	0–100%
85	Red 25	000 ⇄ 255	0–100%
86	Green 25	000 ⇄ 255	0–100%
87	Blue 25	000 ⇄ 255	0–100%
88	White 25	000 ⇄ 255	0–100%
89	Red 26	000 ⇄ 255	0–100%
90	Green 26	000 ⇄ 255	0–100%
91	Blue 26	000 ⇄ 255	0–100%
92	White 26	000 ⇄ 255	0–100%
93	Red 27	000 ⇄ 255	0–100%
94	Green 27	000 ⇄ 255	0–100%
95	Blue 27	000 ⇄ 255	0–100%
96	White 27	000 ⇄ 255	0–100%
97	Red 28	000 ⇄ 255	0–100%
98	Green 28	000 ⇄ 255	0–100%
99	Blue 28	000 ⇄ 255	0–100%
100	White 28	000 ⇄ 255	0–100%
101	Red 29	000 ⇄ 255	0–100%
102	Green 29	000 ⇄ 255	0–100%
103	Blue 29	000 ⇄ 255	0–100%
104	White 29	000 ⇄ 255	0–100%
105	Red 30	000 ⇄ 255	0–100%
106	Green 30	000 ⇄ 255	0–100%
107	Blue 30	000 ⇄ 255	0–100%

Channel	Function	Value	Percent/Setting
108	White 30	000 ⇄ 255	0–100%
109	Red 31	000 ⇄ 255	0–100%
110	Green 31	000 ⇄ 255	0–100%
111	Blue 31	000 ⇄ 255	0–100%
112	White 31	000 ⇄ 255	0–100%

Basic (93 channels)

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇄ 255	0–100%
2	Green 1	000 ⇄ 255	0–100%
3	Blue 1	000 ⇄ 255	0–100%
4	Red 2	000 ⇄ 255	0–100%
5	Green 2	000 ⇄ 255	0–100%
6	Blue 2	000 ⇄ 255	0–100%
7	Red 3	000 ⇄ 255	0–100%
8	Green 3	000 ⇄ 255	0–100%
9	Blue 3	000 ⇄ 255	0–100%
10	Red 4	000 ⇄ 255	0–100%
11	Green 4	000 ⇄ 255	0–100%
12	Blue 4	000 ⇄ 255	0–100%
13	Red 5	000 ⇄ 255	0–100%
14	Green 5	000 ⇄ 255	0–100%
15	Blue 5	000 ⇄ 255	0–100%
16	Red 6	000 ⇄ 255	0–100%
17	Green 6	000 ⇄ 255	0–100%
18	Blue 6	000 ⇄ 255	0–100%
19	Red 7	000 ⇄ 255	0–100%
20	Green 7	000 ⇄ 255	0–100%
21	Blue 7	000 ⇄ 255	0–100%
22	Red 8	000 ⇄ 255	0–100%
23	Green 8	000 ⇄ 255	0–100%
24	Blue 8	000 ⇄ 255	0–100%
25	Red 9	000 ⇄ 255	0–100%
26	Green 9	000 ⇄ 255	0–100%
27	Blue 9	000 ⇄ 255	0–100%
28	Red 10	000 ⇄ 255	0–100%
29	Green 10	000 ⇄ 255	0–100%
30	Blue 10	000 ⇄ 255	0–100%
31	Red 11	000 ⇄ 255	0–100%
32	Green 11	000 ⇄ 255	0–100%
33	Blue 11	000 ⇄ 255	0–100%
34	Red 12	000 ⇄ 255	0–100%
35	Green 12	000 ⇄ 255	0–100%
36	Blue 12	000 ⇄ 255	0–100%
37	Red 13	000 ⇄ 255	0–100%
38	Green 13	000 ⇄ 255	0–100%
39	Blue 13	000 ⇄ 255	0–100%
40	Red 14	000 ⇄ 255	0–100%

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Channel	Function	Value	Percent/Setting
41	Green 14	000 ⇔ 255	0–100%
42	Blue 14	000 ⇔ 255	0–100%
43	Red 15	000 ⇔ 255	0–100%
44	Green 15	000 ⇔ 255	0–100%
45	Blue 15	000 ⇔ 255	0–100%
46	Red 16	000 ⇔ 255	0–100%
47	Green 16	000 ⇔ 255	0–100%
48	Blue 16	000 ⇔ 255	0–100%
49	Red 17	000 ⇔ 255	0–100%
50	Green 17	000 ⇔ 255	0–100%
51	Blue 17	000 ⇔ 255	0–100%
52	Red 18	000 ⇔ 255	0–100%
53	Green 18	000 ⇔ 255	0–100%
54	Blue 18	000 ⇔ 255	0–100%
55	Red 19	000 ⇔ 255	0–100%
56	Green 19	000 ⇔ 255	0–100%
57	Blue 19	000 ⇔ 255	0–100%
58	Red 20	000 ⇔ 255	0–100%
59	Green 20	000 ⇔ 255	0–100%
60	Blue 20	000 ⇔ 255	0–100%
61	Red 21	000 ⇔ 255	0–100%
62	Green 21	000 ⇔ 255	0–100%
63	Blue 21	000 ⇔ 255	0–100%
64	Red 22	000 ⇔ 255	0–100%
65	Green 22	000 ⇔ 255	0–100%
66	Blue 22	000 ⇔ 255	0–100%
67	Red 23	000 ⇔ 255	0–100%
68	Green 23	000 ⇔ 255	0–100%
69	Blue 23	000 ⇔ 255	0–100%
70	Red 24	000 ⇔ 255	0–100%
71	Green 24	000 ⇔ 255	0–100%
72	Blue 24	000 ⇔ 255	0–100%
73	Red 25	000 ⇔ 255	0–100%
74	Green 25	000 ⇔ 255	0–100%
75	Blue 25	000 ⇔ 255	0–100%
76	Red 26	000 ⇔ 255	0–100%
77	Green 26	000 ⇔ 255	0–100%
78	Blue 26	000 ⇔ 255	0–100%
79	Red 27	000 ⇔ 255	0–100%
80	Green 27	000 ⇔ 255	0–100%
81	Blue 27	000 ⇔ 255	0–100%
82	Red 28	000 ⇔ 255	0–100%
83	Green 28	000 ⇔ 255	0–100%
84	Blue 28	000 ⇔ 255	0–100%
85	Red 29	000 ⇔ 255	0–100%
86	Green 29	000 ⇔ 255	0–100%
87	Blue 29	000 ⇔ 255	0–100%
88	Red 30	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
89	Green 30	000 ⇔ 255	0–100%
90	Blue 30	000 ⇔ 255	0–100%
91	Red 31	000 ⇔ 255	0–100%
92	Green 31	000 ⇔ 255	0–100%
93	Blue 31	000 ⇔ 255	0–100%

Color Chart

DMX Value	Function	Red Value	Green Value	Blue Value	White Value
000	No function	N/A	N/A	N/A	N/A
001 ⇔ 002	2700K	156	118	000	063
003 ⇔ 004	3200K	156	141	005	089
005 ⇔ 006	4200K	156	141	014	255
007 ⇔ 008	5600K	156	207	054	255
009 ⇔ 010	8000K	130	255	096	255
011	Blue	000	000	255	000
012 ⇔ 048	Blue to cyan	000	+	255	000
049	Cyan	000	255	255	000
050 ⇔ 086	Cyan to green	000	255	-	000
087	Green	000	255	000	000
088 ⇔ 124	Green to yellow	+	255	000	000
125	Yellow	255	255	000	000
126 ⇔ 162	Yellow to red	255	-	000	000
163	Red	255	000	000	000
164 ⇔ 200	Red to magenta	255	000	+	000
201	Magenta	255	000	255	000
202 ⇔ 238	Magenta to blue	-	000	255	000
239	Blue	000	000	255	000
240 ⇔ 247	Color fade, fast to slow	N/A	N/A	N/A	N/A
248 ⇔ 255	Color snap, fast to slow	N/A	N/A	N/A	N/A

Strobe Chart

DMX Value	Function	DMX Value	Function
000 ⇔ 019	Off	145 ⇔ 149	On
020 ⇔ 024	On	150 ⇔ 164	Random 0–100% strobe, fast to slow
025 ⇔ 064	Strobe, fast to slow	165 ⇔ 169	On
065 ⇔ 069	On	170 ⇔ 184	Pulse strobe 1, fast to slow
070 ⇔ 084	100–0% strobe, fast to slow	185 ⇔ 189	On
085 ⇔ 089	On	190 ⇔ 204	Random pulse strobe, fast to slow
090 ⇔ 104	0–100% strobe, fast to slow	205 ⇔ 209	On
105 ⇔ 109	On	210 ⇔ 224	100–0–100% strobe, fast to slow
110 ⇔ 124	Random strobe, fast to slow	225 ⇔ 229	On
125 ⇔ 129	On	230 ⇔ 244	Pulse strobe 2, fast to slow
130 ⇔ 144	Random 100–0% strobe, fast to slow	245 ⇔ 255	On

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Control Chart

DMX Value	Function	DMX Value	Function
000 ⇔ 009	No function	120 ⇔ 124	Fan mode ECO
010 ⇔ 014	Blackout on pan/tilt	125 ⇔ 129	Fan mode full
015 ⇔ 019	Reserved for future use	130 ⇔ 134	Fan mode auto
020 ⇔ 024	RGBW color mixing	135 ⇔ 139	Dimmer mode fast
025 ⇔ 029	CMY color mixing	140 ⇔ 144	Dimmer mode smooth
030 ⇔ 034	Combine main and ring	145 ⇔ 149	Dimmer curve linear
035 ⇔ 039	Disable combine main and ring	150 ⇔ 154	Dimmer curve square
040 ⇔ 044	Defrost fan on	155 ⇔ 159	Dimmer curve inverse square
045 ⇔ 049	Defrost fan off	160 ⇔ 164	Dimmer curve S-curve
050 ⇔ 054	Reset pan	165 ⇔ 169	WHITE mode
055 ⇔ 059	Reset tilt	170 ⇔ 174	FULL mode
060 ⇔ 064	Zoom reset	175 ⇔ 179	Single-color calibration off
065 ⇔ 069	Reserved for future use	180 ⇔ 184	Single-color calibration on
070 ⇔ 074	Reset all	185 ⇔ 186	PWM 600 Hz
075 ⇔ 084	Reserved for future use	187 ⇔ 188	PWM 1200 Hz
085 ⇔ 089	Reverse pan	189 ⇔ 190	PWM 2000 Hz
090 ⇔ 094	Reverse tilt	191 ⇔ 192	PWM 4000 Hz
095 ⇔ 099	Normal pan	193 ⇔ 194	PWM 6000 Hz
100 ⇔ 104	Normal tilt	195 ⇔ 196	PWM 15000 Hz
105 ⇔ 109	Reserved for future use	197 ⇔ 239	No function
110 ⇔ 114	Preset color HTP on	240 ⇔ 247	Calibration on
115 ⇔ 119	Preset color HTP off	248 ⇔ 250	Calibration off
		251 ⇔ 255	No function



Preset Color HTP

When preset color HTP is on, manual color controls may be used at the same time as preset color controls.
When preset color HTP is off, preset color controls will override all manual color controls.