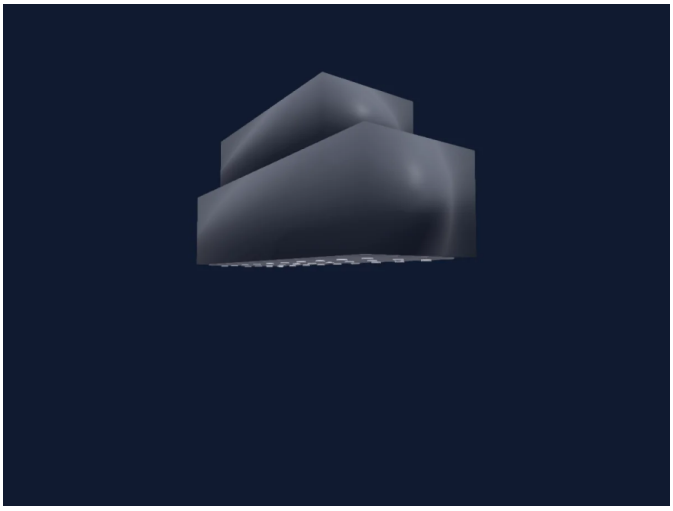
ACME

HAIL (STROBE 5 IP)



Manufacturer	**ACME**
Type	**Strobe**
DMX modes	**10**
DMX footprint	**10, 17, 21, 24, 26, 36, 41, 61, 150, 158 channels**
Beam angle	**0.2-110°**
Heads / cells	**30**
Size (W × H × D)	**478 × 121 × 162 mm**
GDTF fixture type	**CAC3373C-6E1E-4862-98D4-83...**

Controls

Frost · Extra LED colours · Colour temperature · Colour wheel · Dimmer · Pixel control

DMX modes

Mode 1 10DMX	10 ch
Mode 2 17DMX	17 ch
Mode 4 21DMX	21 ch
Mode 3 24DMX	24 ch
Mode 5 26DMX	26 ch
Mode 6 36DMX	36 ch
Mode 7 41DMX	41 ch
Mode 8 61DMX	61 ch
Mode 9 150DMX	150 ch
Mode 10 158DMX	158 ch

Mode 1 10DMX

10 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	White	255	
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer
8	Strobe Duration	255	
9	Shutter1Strobe	255	0–6 Open 7–254 min Strobe 255–255 max Strobe
10	Frost1	0	

Mode 2 17DMX

17 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Color Wheel	0	0–9 Open (wheel slot 1) 10–17 Color 1 (wheel slot 2) 18–24 Color 2 (wheel slot 3) 25–32 Color 3 (wheel slot 4) 33–39 Color 4 (wheel slot 5) 40–47 Color 5 (wheel slot 6) 48–54 Color 6 (wheel slot 7) 55–61 Color 7 (wheel slot 8) 62–69 Color 8 (wheel slot 9) 70–76 Color 9 (wheel slot 10) 77–84 Color 10 (wheel slot 11) 85–91 Color 11 (wheel slot 12) 92–99 Color 12 (wheel slot 13) 100–106 Color 13 (wheel slot 14) 107–113 Color 14 (wheel slot 15) 114–121 Color 15 (wheel slot 16) 122–128 Color 16 (wheel slot 17) 129–136 Color 17 (wheel slot 18) 137–143 Color 18 (wheel slot 19) 144–151 Color 19 (wheel slot 20) 152–158 Color 20 (wheel slot 21) 159–165 Color 21 (wheel slot 22) 166–173 Color 22 (wheel slot 23) 174–180 Color 23 (wheel slot 24) 181–188 Color 24 (wheel slot 25) 189–195 Color 25 (wheel slot 26) 196–203 Color 26 (wheel slot 27) 204–210 Color 27 (wheel slot 28) 211–217 Color 28 (wheel slot 29) 218–225 Color 29 (wheel slot 30) 226–232 Color 30 (wheel slot 31) 233–240 Color 31 (wheel slot 32) 241–247 Color 32 (wheel slot 33) 248–255 Color 33 (wheel slot 34)
6	C TO	0	

Mode 2 17DMX (continued)

Ch	Function	Default	DMX values
7	White	255	
8	Dimmer	0	
9	Dimmer Fine	0	Fine byte of Dimmer
10	Strobe Duration	0	
11	Shutter1Strobe	0	0–6 OFF 1 7–254 min Strobe 255–255 max Strobe
12	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
13	Color Macro1	0	0–22 Open 23–30 Macro 1 31–39 Macro 2 40–48 Macro 3 49–57 Macro 4 58–66 Macro 5 67–75 Macro 6 76–84 Macro 7 85–93 Macro 8 94–102 Macro 9 103–111 Macro 10 112–120 Macro 11 121–129 Macro 12 130–138 Macro 13 139–147 Macro 14 148–156 Macro 15 157–165 Macro 16 166–174 Macro 17 175–183 Macro 18 184–192 Macro 19 193–201 Macro 20 202–210 Macro 21 211–219 Macro 22 220–228 Macro 23 229–237 Macro 24 238–246 Macro 25 247–255 Macro 26

Mode 2 17DMX (continued)

Ch	Function	Default	DMX values
14	Color Macro2	0	0–22 Open 23–30 Macro 1 31–39 Macro 2 40–48 Macro 3 49–57 Macro 4 58–66 Macro 5 67–75 Macro 6 76–84 Macro 7 85–93 Macro 8 94–102 Macro 9 103–111 Macro 10 112–120 Macro 11 121–129 Macro 12 130–138 Macro 13 139–147 Macro 14 148–156 Macro 15 157–165 Macro 16 166–174 Macro 17 175–183 Macro 18 184–192 Macro 19 193–201 Macro 20 202–210 Macro 21 211–219 Macro 22 220–228 Macro 23 229–237 Macro 24 238–246 Macro 25 247–255 Macro 26
15	Color Macro1Rate	255	
16	Color Macro1Fade	0	
17	Frost1	0	

Mode 4 21DMX

21 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	Dimmer	0	
10	Dimmer Fine	0	Fine byte of Dimmer
11	Strobe Duration	0	
12	Shutter1Strobe	255	0–6 OFF 1 7–254 min Strobe 255–255 max Strobe
13	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
14	White	255	

Mode 4 21DMX (continued)

Ch	Function	Default	DMX values
15	White	255	
16	Dimmer	0	
17	Dimmer Fine	0	Fine byte of Dimmer
18	Strobe Duration	0	
19	Shutter1Strobe	255	0–6 OFF 7–254 min Strobe 255–255 max Strobe
20	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
21	Frost1	0	

Mode 3 24DMX

24 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Color Wheel	0	0–9 Open (wheel slot 1) 10–17 Color 1 (wheel slot 2) 18–24 Color 2 (wheel slot 3) 25–32 Color 3 (wheel slot 4) 33–39 Color 4 (wheel slot 5) 40–47 Color 5 (wheel slot 6) 48–54 Color 6 (wheel slot 7) 55–61 Color 7 (wheel slot 8) 62–69 Color 8 (wheel slot 9) 70–76 Color 9 (wheel slot 10) 77–84 Color 10 (wheel slot 11) 85–91 Color 11 (wheel slot 12) 92–99 Color 12 (wheel slot 13) 100–106 Color 13 (wheel slot 14) 107–113 Color 14 (wheel slot 15) 114–121 Color 15 (wheel slot 16) 122–128 Color 16 (wheel slot 17) 129–136 Color 17 (wheel slot 18) 137–143 Color 18 (wheel slot 19) 144–151 Color 19 (wheel slot 20) 152–158 Color 20 (wheel slot 21) 159–165 Color 21 (wheel slot 22) 166–173 Color 22 (wheel slot 23) 174–180 Color 23 (wheel slot 24) 181–188 Color 24 (wheel slot 25) 189–195 Color 25 (wheel slot 26) 196–203 Color 26 (wheel slot 27) 204–210 Color 27 (wheel slot 28) 211–217 Color 28 (wheel slot 29) 218–225 Color 29 (wheel slot 30) 226–232 Color 30 (wheel slot 31) 233–240 Color 31 (wheel slot 32) 241–247 Color 32 (wheel slot 33) 248–255 Color 33 (wheel slot 34)
6	C TO	0	

Mode 3 24DMX (continued)

Ch	Function	Default	DMX values
7	Dimmer	0	
8	Dimmer Fine	0	Fine byte of Dimmer
9	Strobe Duration	0	
10	Shutter1Strobe	255	0–6 OFF 1 7–254 min Strobe 255–255 max Strobe
11	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
12	Color Macro1	0	0–22 Open 23–30 Macro 1 31–39 Macro 2 40–48 Macro 3 49–57 Macro 4 58–66 Macro 5 67–75 Macro 6 76–84 Macro 7 85–93 Macro 8 94–102 Macro 9 103–111 Macro 10 112–120 Macro 11 121–129 Macro 12 130–138 Macro 13 139–147 Macro 14 148–156 Macro 15 157–165 Macro 16 166–174 Macro 17 175–183 Macro 18 184–192 Macro 19 193–201 Macro 20 202–210 Macro 21 211–219 Macro 22 220–228 Macro 23 229–237 Macro 24 238–246 Macro 25 247–255 Macro 26
13	Color Macro1Rate	255	
14	Color Macro1Fade	0	
15	White	255	
16	Dimmer	0	
17	Dimmer Fine	0	Fine byte of Dimmer
18	Strobe Duration	0	
19	Shutter1Strobe	255	0–6 OFF 7–254 min Strobe 255–255 max Strobe
20	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran

Mode 3 24DMX (continued)

Ch	Function	Default	DMX values
21	Color Macro1	0	0–22 Open 23–30 Macro 1 31–39 Macro 2 40–48 Macro 3 49–57 Macro 4 58–66 Macro 5 67–75 Macro 6 76–84 Macro 7 85–93 Macro 8 94–102 Macro 9 103–111 Macro 10 112–120 Macro 11 121–129 Macro 12 130–138 Macro 13 139–147 Macro 14 148–156 Macro 15 157–165 Macro 16 166–174 Macro 17 175–183 Macro 18 184–192 Macro 19 193–201 Macro 20 202–210 Macro 21 211–219 Macro 22 220–228 Macro 23 229–237 Macro 24 238–246 Macro 25 247–255 Macro 26
22	Color Macro1Rate	255	
23	Color Macro1Fade	0	
24	Frost1	0	

Mode 5 26DMX

26 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	0	
13	Dimmer	0	
14	Dimmer Fine	0	Fine byte of Dimmer
15	Strobe Duration	0	
16	Shutter1Strobe	255	0–6 OFF 1 7–254 min Strobe 255–255 max Strobe

Mode 5 26DMX (continued)

Ch	Function	Default	DMX values
17	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
18	White	255	
19	White	255	
20	White	255	
21	Dimmer	0	
22	Dimmer Fine	0	Fine byte of Dimmer
23	Strobe Duration	0	
24	Shutter1Strobe	255	0–6 OFF 7–254 min Strobe 255–255 max Strobe
25	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
26	Frost1	0	

Mode 6 36DMX

36 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	0	
13	Red	255	
14	Green	255	
15	Blue	255	
16	White	0	
17	Red	255	
18	Green	255	
19	Blue	255	
20	White	0	
21	Dimmer	0	
22	Dimmer Fine	0	Fine byte of Dimmer
23	Strobe Duration	0	

Mode 6 36DMX (continued)

Ch	Function	Default	DMX values
24	Shutter1Strobe	255	0–6 OFF 1 7–254 min Strobe 255–255 max Strobe
25	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
26	White	255	
27	White	255	
28	White	255	
29	White	255	
30	White	255	
31	Dimmer	0	
32	Dimmer Fine	0	Fine byte of Dimmer
33	Strobe Duration	0	
34	Shutter1Strobe	255	0–6 OFF 7–254 min Strobe 255–255 max Strobe
35	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
36	Frost1	0	

Mode 7 41DMX

41 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	0	
13	Red	255	
14	Green	255	
15	Blue	255	
16	White	0	
17	Red	255	
18	Green	255	

Mode 7 41DMX (continued)

Ch	Function	Default	DMX values
19	Blue	255	
20	White	0	
21	Red	255	
22	Green	255	
23	Blue	255	
24	White	0	
25	Dimmer	0	
26	Dimmer Fine	0	Fine byte of Dimmer
27	Strobe Duration	0	
28	Shutter1Strobe	255	0–6 OFF 1 7–254 min Strobe 255–255 max Strobe
29	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
30	White	255	
31	White	255	
32	White	255	
33	White	255	
34	White	255	
35	White	255	
36	Dimmer	0	
37	Dimmer Fine	0	Fine byte of Dimmer
38	Strobe Duration	0	
39	Shutter1Strobe	255	0–6 OFF 7–254 min Strobe 255–255 max Strobe
40	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
41	Frost1	0	

Mode 8 61DMX

61 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	

Mode 8 61DMX (continued)

Ch	Function	Default	DMX values
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	0	
13	Red	255	
14	Green	255	
15	Blue	255	
16	White	0	
17	Red	255	
18	Green	255	
19	Blue	255	
20	White	0	
21	Red	255	
22	Green	255	
23	Blue	255	
24	White	0	
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	0	
29	Red	255	
30	Green	255	
31	Blue	255	
32	White	0	
33	Red	255	
34	Green	255	
35	Blue	255	
36	White	0	
37	Red	255	
38	Green	255	
39	Blue	255	
40	White	0	
41	Dimmer	0	
42	Dimmer Fine	0	Fine byte of Dimmer
43	Strobe Duration	0	
44	Shutter1Strobe	0	0–6 OFF 1 7–254 min Strobe 255–255 max Strobe
45	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
46	White	255	
47	White	255	
48	White	255	

Mode 8 61DMX (continued)

Ch	Function	Default	DMX values
49	White	255	
50	White	255	
51	White	255	
52	White	255	
53	White	255	
54	White	255	
55	White	255	
56	Dimmer	0	
57	Dimmer Fine	0	Fine byte of Dimmer
58	Strobe Duration	0	
59	Shutter1Strobe	0	0–6 OFF 7–254 min Strobe 255–255 max Strobe
60	Shutter1Strobe Effect	0	0–5 Strobe 6–50 Pulse Open 51–100 Pulse Close 101–150 Pulse 151–200 Lightning 201–255 Strobe Ran
61	Frost1	0	

Mode 9 150DMX

150 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	0	
13	Red	255	
14	Green	255	
15	Blue	255	
16	White	0	
17	Red	255	
18	Green	255	
19	Blue	255	
20	White	0	
21	Red	255	
22	Green	255	
23	Blue	255	

Mode 9 150DMX (continued)

Ch	Function	Default	DMX values
24	White	0	
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	0	
29	Red	255	
30	Green	255	
31	Blue	255	
32	White	0	
33	Red	255	
34	Green	255	
35	Blue	255	
36	White	0	
37	Red	255	
38	Green	255	
39	Blue	255	
40	White	0	
41	Red	255	
42	Green	255	
43	Blue	255	
44	White	0	
45	Red	255	
46	Green	255	
47	Blue	255	
48	White	0	
49	Red	255	
50	Green	255	
51	Blue	255	
52	White	0	
53	Red	255	
54	Green	255	
55	Blue	255	
56	White	0	
57	Red	255	
58	Green	255	
59	Blue	255	
60	White	0	
61	Red	255	
62	Green	255	
63	Blue	255	
64	White	0	
65	Red	255	
66	Green	255	
67	Blue	255	
68	White	0	

Mode 9 150DMX (continued)

Ch	Function	Default	DMX values
69	Red	255	
70	Green	255	
71	Blue	255	
72	White	0	
73	Red	255	
74	Green	255	
75	Blue	255	
76	White	0	
77	Red	255	
78	Green	255	
79	Blue	255	
80	White	0	
81	Red	255	
82	Green	255	
83	Blue	255	
84	White	0	
85	Red	255	
86	Green	255	
87	Blue	255	
88	White	0	
89	Red	255	
90	Green	255	
91	Blue	255	
92	White	0	
93	Red	255	
94	Green	255	
95	Blue	255	
96	White	0	
97	Red	255	
98	Green	255	
99	Blue	255	
100	White	0	
101	Red	255	
102	Green	255	
103	Blue	255	
104	White	0	
105	Red	255	
106	Green	255	
107	Blue	255	
108	White	0	
109	Red	255	
110	Green	255	
111	Blue	255	
112	White	0	
113	Red	255	

Mode 9 150DMX (continued)

Ch	Function	Default	DMX values
114	Green	255	
115	Blue	255	
116	White	0	
117	Red	255	
118	Green	255	
119	Blue	255	
120	White	0	
121	White	255	
122	White	255	
123	White	255	
124	White	255	
125	White	255	
126	White	255	
127	White	255	
128	White	255	
129	White	255	
130	White	255	
131	White	255	
132	White	255	
133	White	255	
134	White	255	
135	White	255	
136	White	255	
137	White	255	
138	White	255	
139	White	255	
140	White	255	
141	White	255	
142	White	255	
143	White	255	
144	White	255	
145	White	255	
146	White	255	
147	White	255	
148	White	255	
149	White	255	
150	White	255	

Mode 10 158DMX

158 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	

Mode 10 158DMX (continued)

Ch	Function	Default	DMX values
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	0	
13	Red	255	
14	Green	255	
15	Blue	255	
16	White	0	
17	Red	255	
18	Green	255	
19	Blue	255	
20	White	0	
21	Red	255	
22	Green	255	
23	Blue	255	
24	White	0	
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	0	
29	Red	255	
30	Green	255	
31	Blue	255	
32	White	0	
33	Red	255	
34	Green	255	
35	Blue	255	
36	White	0	
37	Red	255	
38	Green	255	
39	Blue	255	
40	White	0	
41	Red	255	
42	Green	255	
43	Blue	255	
44	White	0	
45	Red	255	
46	Green	255	
47	Blue	255	
48	White	0	
49	Red	255	

Mode 10 158DMX (continued)

Ch	Function	Default	DMX values
50	Green	255	
51	Blue	255	
52	White	0	
53	Red	255	
54	Green	255	
55	Blue	255	
56	White	0	
57	Red	255	
58	Green	255	
59	Blue	255	
60	White	0	
61	Red	255	
62	Green	255	
63	Blue	255	
64	White	0	
65	Red	255	
66	Green	255	
67	Blue	255	
68	White	0	
69	Red	255	
70	Green	255	
71	Blue	255	
72	White	0	
73	Red	255	
74	Green	255	
75	Blue	255	
76	White	0	
77	Red	255	
78	Green	255	
79	Blue	255	
80	White	0	
81	Red	255	
82	Green	255	
83	Blue	255	
84	White	0	
85	Red	255	
86	Green	255	
87	Blue	255	
88	White	0	
89	Red	255	
90	Green	255	
91	Blue	255	
92	White	0	
93	Red	255	
94	Green	255	

Mode 10 158DMX (continued)

Ch	Function	Default	DMX values
95	Blue	255	
96	White	0	
97	Red	255	
98	Green	255	
99	Blue	255	
100	White	0	
101	Red	255	
102	Green	255	
103	Blue	255	
104	White	0	
105	Red	255	
106	Green	255	
107	Blue	255	
108	White	0	
109	Red	255	
110	Green	255	
111	Blue	255	
112	White	0	
113	Red	255	
114	Green	255	
115	Blue	255	
116	White	0	
117	Red	255	
118	Green	255	
119	Blue	255	
120	White	0	
121	White	255	
122	White	255	
123	White	255	
124	White	255	
125	White	255	
126	White	255	
127	White	255	
128	White	255	
129	White	255	
130	White	255	
131	White	255	
132	White	255	
133	White	255	
134	White	255	
135	White	255	
136	White	255	
137	White	255	
138	White	255	
139	White	255	

Mode 10 158DMX (continued)

Ch	Function	Default	DMX values
140	White	255	
141	White	255	
142	White	255	
143	White	255	
144	White	255	
145	White	255	
146	White	255	
147	White	255	
148	White	255	
149	White	255	
150	White	255	
151	Dimmer	0	
152	Dimmer Fine	0	Fine byte of Dimmer
153	Strobe Duration	0	
154	Shutter1Strobe	255	
155	Strobe Duration	0	
156	Shutter1Strobe	255	
157	Frost1	0	
158	Refresh Rate	0	