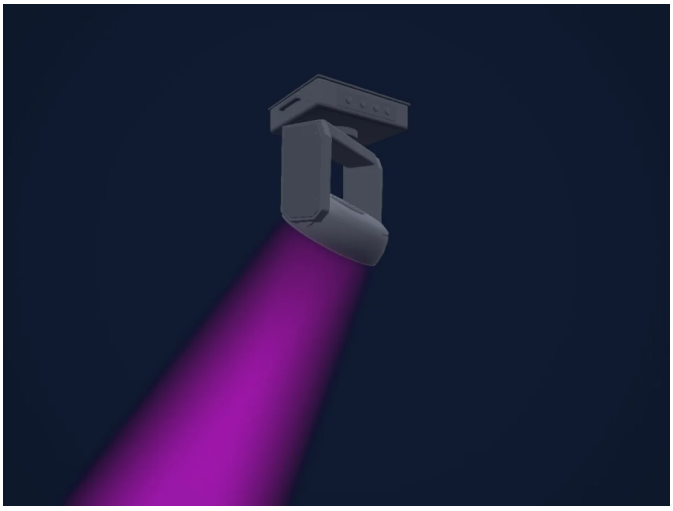
Clay Paky

Aleda B-EYE K20



Manufacturer	**Clay Paky**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**21, 35, 111, 148 channels**
Beam angle	**4.3-39.1°**
Pan range	**540°**
Tilt range	**210°**
Heads / cells	**37**
Size (W × H × D)	**378 × 134 × 378 mm**
GDTF fixture type	**4B0B5809-849D-470D-9746-2B...**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt

Safety-relevant functions

Fixture reset

DMX modes

Standard	21 ch
Shapes	35 ch
Pixels RGB	111 ch
Pixels RGBW	148 ch

Standard

21 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	255	
8	White Fine	255	Fine byte of White
9	C TO	0	0–9 No CTO 10–53 8000K 54–98 7000K 99–116 6000K 117–143 5600K 144–187 5000K 188–223 4000K 224–254 3200K 255–255 2500K
10	Color Macro1	0	
11	Shutter / Strobe	0	0–3 Closed 4–23 Strobe · x1 Strb>> 1–5.61 Hz 24–43 Strobe · x2 Strb>> 5.85–10.5 Hz 44–63 Strobe · x3 Strb>> 10.7–15.3 Hz 64–83 Strobe · x4 Strb>> 15.5–20.2 Hz 84–103 Strobe · x5 Strb>> 20.4–25 Hz 104–107 Open 108–127 x1 PulseC>> 128–147 x2 PulseC>> 148–167 x3 PulseC>> 168–187 x4 PulseC>> 188–207 x5 PulseC>> 208–212 Open 213–220 Random · x1 RndStrb>> 1–5.42 Hz 221–228 Random · x2 RndStrb>> 6.05–10.5 Hz 229–235 Random · x3 RndStrb>> 11.1–14.9 Hz 236–243 Random · x4 RndStrb>> 15.5–19.9 Hz 244–251 Random · x5 RndStrb>> 20.6–25 Hz 252–255 Open
12	Dimmer	0	0–254 Closed 255–255 Open
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt

Standard (continued)

Ch	Function	Default	DMX values
18	Function	0	0–11 No Function 12–24 Fast Pan/Tilt 25–37 Normal Pan/Tilt 38–42 Dimmer Curve 1 43–47 Dimmer Curve 2 48–52 Dimmer Curve 3 53–57 Dimmer Curve 4 58–62 Gamma Curve 1 63–67 Gamma Curve 2 68–72 Gamma Curve 3 73–77 Halo OFF 78–82 Halo 750W 83–87 Halo 1000W 88–92 Halo 1200W 93–97 Halo 2000W 98–102 Halo 2500W 103–105 Pixel Map ON 106–255 No Function
19	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Position Reset 128–255 Reset
20	Zoom	0	0–254 Narrow 255–255 Wide
21	Zoom Pos	0	0–31 0 deg 32–63 15 deg 64–95 30 deg 96–126 45 deg 127–127 60 deg 128–140 x5 Rot Zoom< 141–152 x4 Rot Zoom<< 153–165 x3 Rot Zoom<< 166–177 x2 Rot Zoom<< 178–190 x1 Rot Zoom<< 191–192 Rot Zoom>< 193–205 x1 Rot Zoom>> 206–217 x2 Rot Zoom>> 218–230 x3 Rot Zoom>> 231–242 x4 Rot Zoom>> 243–255 x5 Rot Zoom>>

Shapes

35 channels

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

Shapes (continued)

Ch	Function	Default	DMX values
9	C TO	0	0–9 No CTO 10–53 8000K 54–98 7000K 99–116 6000K 117–143 5600K 144–187 5000K 188–223 4000K 224–254 3200K 255–255 2500K
10	Color Macro1	0	
11	Shutter / Strobe	255	0–3 Closed 4–23 Strobe · x1 Strb>> 1–5.61 Hz 24–43 Strobe · x2 Strb>> 5.85–10.5 Hz 44–63 Strobe · x3 Strb>> 10.7–15.3 Hz 64–83 Strobe · x4 Strb>> 15.5–20.2 Hz 84–103 Strobe · x5 Strb>> 20.4–25 Hz 104–107 Open 108–127 x1 PulseC>> 128–147 x2 PulseC>> 148–167 x3 PulseC>> 168–187 x4 PulseC>> 188–207 x5 PulseC>> 208–212 Open 213–220 Random · x1 RndStrb>> 1–5.42 Hz 221–228 Random · x2 RndStrb>> 6.05–10.5 Hz 229–235 Random · x3 RndStrb>> 11.1–14.9 Hz 236–243 Random · x4 RndStrb>> 15.5–19.9 Hz 244–251 Random · x5 RndStrb>> 20.6–25 Hz 252–255 Open
12	Dimmer	0	0–254 Closed 255–255 Open
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt
18	Function	0	0–11 No Function 12–24 Fast Pan/Tilt 25–37 Normal Pan/Tilt 38–42 Dimmer Curve 1 43–47 Dimmer Curve 2 48–52 Dimmer Curve 3 53–57 Dimmer Curve 4 58–62 Gamma Curve 1 63–67 Gamma Curve 2 68–72 Gamma Curve 3 73–77 Halo OFF 78–82 Halo 750W 83–87 Halo 1000W 88–92 Halo 1200W 93–97 Halo 2000W 98–102 Halo 2500W 103–105 Pixel Map ON 106–255 No Function
19	Fixture Global Reset	0	0–25 No Function 26–76 Zoom Reset 77–127 Position Reset 128–255 Reset

Shapes (continued)

Ch	Function	Default	DMX values
20	Zoom	0	0–254 Narrow 255–255 Wide
21	Zoom Pos	0	0–31 0 deg 32–63 15 deg 64–95 30 deg 96–126 45 deg 127–127 60 deg 128–140 x5 Rot Zoom< 141–152 x4 Rot Zoom<< 153–165 x3 Rot Zoom<< 166–177 x2 Rot Zoom<< 178–190 x1 Rot Zoom<< 191–192 Rot Zoom>< 193–205 x1 Rot Zoom>> 206–217 x2 Rot Zoom>> 218–230 x3 Rot Zoom>> 231–242 x4 Rot Zoom>> 243–255 x5 Rot Zoom>>
22	Shape Selection	0	
23	Shape Speed	160	0–4 0 deg 5–9 30 deg 10–15 60 deg 16–20 90 deg 21–25 120 deg 26–31 150 deg 32–36 180 deg 37–41 210 deg 42–46 240 deg 47–52 270 deg 53–57 300 deg 58–62 330 deg 63–63 360 deg 64–82 x5 Speed< 83–101 x4 Speed<< 102–120 x3 Speed<< 121–139 x2 Speed<< 140–158 x1 Speed<< 159–160 Speed>< 161–179 x1 Speed>> 180–198 x2 Speed>> 199–217 x3 Speed>> 218–236 x4 Speed>> 237–255 x5 Speed>>
24	Shape Fade	0	0–15 Snap 16–53 Gamma 050 54–91 Gamma 075 92–129 Gamma 100 130–167 Gamma 125 168–206 Gamma 150 207–244 Gamma 175 245–245 Gamma 200 246–255 Gamma Auto
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	255	
29	Dimmer	0	0–254 Closed 255–255 Open

Shapes (continued)

Ch	Function	Default	DMX values
30	Dimmer	0	0–254 Closed 255–255 Open
31	Shape Transition	0	0–4 No Fade 5–72 100 ms 73–112 500 ms 113–170 1s 171–215 2s 216–254 3s 255–255 4s
32	Shape Offset	0	
33	Shutter / Strobe	255	0–3 Closed 4–23 Strobe · x1 Strb>> 1–5.61 Hz 24–43 Strobe · x2 Strb>> 5.85–10.5 Hz 44–63 Strobe · x3 Strb>> 10.7–15.3 Hz 64–83 Strobe · x4 Strb>> 15.5–20.2 Hz 84–103 Strobe · x5 Strb>> 20.4–25 Hz 104–107 Open 108–127 x1 PulseC>> 128–147 x2 PulseC>> 148–167 x3 PulseC>> 168–187 x4 PulseC>> 188–207 x5 PulseC>> 208–212 Open 213–220 Random · x1 RndStrb>> 1–5.42 Hz 221–228 Random · x2 RndStrb>> 6.05–10.5 Hz 229–235 Random · x3 RndStrb>> 11.1–14.9 Hz 236–243 Random · x4 RndStrb>> 15.5–19.9 Hz 244–251 Random · x5 RndStrb>> 20.6–25 Hz 252–255 Open
34	Shutter / Strobe	255	0–3 Closed 4–23 Strobe · x1 Strb>> 1–5.61 Hz 24–43 Strobe · x2 Strb>> 5.85–10.5 Hz 44–63 Strobe · x3 Strb>> 10.7–15.3 Hz 64–83 Strobe · x4 Strb>> 15.5–20.2 Hz 84–103 Strobe · x5 Strb>> 20.4–25 Hz 104–107 Open 108–127 x1 PulseC>> 128–147 x2 PulseC>> 148–167 x3 PulseC>> 168–187 x4 PulseC>> 188–207 x5 PulseC>> 208–212 Open 213–220 Random · x1 RndStrb>> 1–5.42 Hz 221–228 Random · x2 RndStrb>> 6.05–10.5 Hz 229–235 Random · x3 RndStrb>> 11.1–14.9 Hz 236–243 Random · x4 RndStrb>> 15.5–19.9 Hz 244–251 Random · x5 RndStrb>> 20.6–25 Hz 252–255 Open

Shapes (continued)

Ch	Function	Default	DMX values
35	Shape Selection	0	0–8 BG Shape OFF 9–9 Pixel 1 10–10 Ring 2 11–11 Ring 3 12–12 Ring 4 13–13 Pixel 1 + Ring 2 14–14 Pixel 1 + Ring 2-3 15–15 Pixel 1 + Ring 2-3-4 16–16 Ring 2-3-4 17–17 Ring 3-4 18–18 Pixel 1 + Ring 4 19–19 Ring 2-3 20–20 Pixel 1 + Ring 3 21–21 Ring 2-4 22–22 Pixel 1 + Ring 3-4 23–23 Pixel 1 + Ring 2-4 24–254 No Selection 255–255 Mirror Effect

Pixels RGB

111 channels

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

Pixels RGB (continued)

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

Pixels RGB (continued)

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

Pixels RGBW

148 channels

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

Pixels RGBW (continued)

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

Pixels RGBW (continued)

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

Pixels RGBW (continued)

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

Pixels RGBW (continued)

Ch	Function	Default	DMX values
139	Blue	0	
140	White	0	
141	Red	0	
142	Green	0	
143	Blue	0	
144	White	0	
145	Red	0	
146	Green	0	
147	Blue	0	
148	White	0	

Fixture model: gdtf-clay-paky-aleda-b-eye-k20-74459
New original approximate HitLight B-EYE K20 housing and37 optical faces authored locally from primitives and lofts; no manufacturer or old m...
Creator: HitLight