Clay Paky

Midi-B FX



Manufacturer	**Clay Paky**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**23, 30, 43, 70 channels**
Beam angle	**4-50°**
Pan range	**540°**
Tilt range	**270°**
Heads / cells	**8**
Size (W × H × D)	**261 × 370 × 260 mm**
GDTF fixture type	**D8A49974-B00B-450B-8DA6-57…**

Controls

Zoom · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Basic RGBW	23 ch
Basic RGBW 16bit	30 ch
Extended RGBW	43 ch
Extended RGBW 16bit	70 ch

Basic RGBW

23 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	
5	C TO	0	0–9 Off 10–53 8000K 54–98 7000K 99–143 6000K 144–187 5000K 188–223 4000K 224–254 3200K 255–255 2700K
6	Color Macro1	0	
7	Shutter / Strobe	104	0–3 Close 4–102 Strobe Min 103–103 Strobe Max 104–107 Open 108–206 Shutter1StrobePulse · Min 500mHz 0.5–24.8 Hz 207–207 Shutter1StrobePulse · Max 25Hz 25 Hz 208–212 Open 213–225 Shutter1StrobeRandom · Slow 1–8.58 Hz 226–238 Shutter1StrobeRandom · Medium 9.21–16.8 Hz 239–251 Shutter1StrobeRandom · Fast 17.4–25 Hz 252–255 Open
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Pan	128	
11	Pan Fine	0	Fine byte of Pan
12	Tilt	128	
13	Tilt Fine	0	Fine byte of Tilt
14	Zoom	0	0–254 Narrow 255–255 Wide
15	Color Mix Mode	0	0–254 Slow 255–255 Fast

Basic RGBW (continued)

Ch	Function	Default	DMX values
16	Control1	0	0–1 HOME-Zero 2–3 Fan Auto # 4–5 Fan Silent 6–7 Fan Theatre 8–9 Fan Constant 10–11 Zoom Reposition ON # 12–13 Zoom reposition OFF 14–24 P/T Fast # 25–37 P/T STD 38–42 Dim Curve 1 # 43–47 Dim Curve 2 48–52 Dim Curve 3 53–55 Dim Curve 4 56–57 Dim Curve 5 58–62 Gamma 1 63–67 Gamma 1_5 68–72 Gamma 2_2 # 73–77 Callibration OFF # 78–82 Calibration ON 83–87 Dim Fade OFF # 88–92 Dim fade ON 168–188 600Hz 189–199 1200Hz 200–210 2000Hz # 211–232 4000Hz 233–243 25000Hz 244–248 Display OFF # 249–253 Display ON 254–255 Default Function Recall
17	Fixture Global Reset	0	0–25 Unused 26–76 Zoom Reset 77–127 P/T Reset 128–255 Complete Reset
18	Shutter / Strobe	104	0–3 Close 4–102 Strobe Min 103–103 Strobe Max 104–107 Open 108–206 Shutter1StrobePulse · Min 500mHz 0.5–24.8 Hz 207–207 Shutter1StrobePulse · Max 25Hz 25 Hz 208–212 Open 213–225 Shutter1StrobeRandom · Slow 1–8.58 Hz 226–238 Shutter1StrobeRandom · Medium 9.21–16.8 Hz 239–251 Shutter1StrobeRandom · Fast 17.4–25 Hz 252–255 Open
19	Dimmer	0	0–254 Closed 255–255 Open
20	Dimmer Fine	0	Fine byte of Dimmer
21	Red	0	
22	Green	0	
23	Blue	0	

Basic RGBW 16bit

30 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Red Fine	0	Fine byte of Red
3	Green	0	

Basic RGBW 16bit (continued)

Ch	Function	Default	DMX values
4	Green Fine	0	Fine byte of Green
5	Blue	0	
6	Blue Fine	0	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White
9	C TO	0	0–9 Off 10–53 8000K 54–98 7000K 99–143 6000K 144–187 5000K 188–223 4000K 224–254 3200K 255–255 2700K
10	Color Macro1	0	
11	Shutter / Strobe	104	0–3 Close 4–102 Strobe Min 103–103 Strobe Max 104–107 Open 108–206 Shutter1StrobePulse · Min 500mHz 0.5–24.8 Hz 207–207 Shutter1StrobePulse · Max 25Hz 25 Hz 208–212 Open 213–225 Shutter1StrobeRandom · Slow 1–8.58 Hz 226–238 Shutter1StrobeRandom · Medium 9.21–16.8 Hz 239–251 Shutter1StrobeRandom · Fast 17.4–25 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	Zoom	0	0–254 Narrow 255–255 Wide
19	Color Mix Mode	0	0–254 Slow 255–255 Fast

Basic RGBW 16bit (continued)

Ch	Function	Default	DMX values
20	Control1	0	0–1 HOME-Zero 2–3 Fan Auto # 4–5 Fan Silent 6–7 Fan Theatre 8–9 Fan Constant 10–11 Zoom Reposition ON # 12–13 Zoom reposition OFF 14–24 P/T Fast # 25–37 P/T STD 38–42 Dim Curve 1 # 43–47 Dim Curve 2 48–52 Dim Curve 3 53–55 Dim Curve 4 56–57 Dim Curve 5 58–62 Gamma 1 63–67 Gamma 1_5 68–72 Gamma 2_2 # 73–77 Callibration OFF # 78–82 Calibration ON 83–87 Dim Fade OFF # 88–92 Dim fade ON 168–188 600Hz 189–199 1200Hz 200–210 2000Hz # 211–232 4000Hz 233–243 25000Hz 244–248 Display OFF # 249–253 Display ON 254–255 Default Function Recall
21	Fixture Global Reset	0	0–25 Unused 26–76 Zoom Reset 77–127 P/T Reset 128–255 Complete Reset
22	Shutter / Strobe	104	0–3 Close 4–102 Strobe Min 103–103 Strobe Max 104–107 Open 108–206 Shutter1StrobePulse · Min 500mHz 0.5–24.8 Hz 207–207 Shutter1StrobePulse · Max 25Hz 25 Hz 208–212 Open 213–225 Shutter1StrobeRandom · Slow 1–8.58 Hz 226–238 Shutter1StrobeRandom · Medium 9.21–16.8 Hz 239–251 Shutter1StrobeRandom · Fast 17.4–25 Hz 252–255 Open
23	Dimmer	0	0–254 Closed 255–255 Open
24	Dimmer Fine	0	Fine byte of Dimmer
25	Red	0	
26	Red Fine	0	Fine byte of Red
27	Green	0	
28	Green Fine	0	Fine byte of Green
29	Blue	0	
30	Blue Fine	0	Fine byte of Blue

Extended RGBW

43 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
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	C TO	0	0–9 Off 10–53 8000K 54–98 7000K 99–143 6000K 144–187 5000K 188–223 4000K 224–254 3200K 255–255 2700K
14	Color Macro1	0	
15	Shutter / Strobe	104	0–3 Close 4–102 Strobe Min 103–103 Strobe Max 104–107 Open 108–206 Shutter1StrobePulse · Min 500mHz 0.5–24.8 Hz 207–207 Shutter1StrobePulse · Max 25Hz 25 Hz 208–212 Open 213–225 Shutter1StrobeRandom · Slow 1–8.58 Hz 226–238 Shutter1StrobeRandom · Medium 9.21–16.8 Hz 239–251 Shutter1StrobeRandom · Fast 17.4–25 Hz 252–255 Open
16	Dimmer	0	0–254 Closed 255–255 Open
17	Dimmer Fine	0	Fine byte of Dimmer
18	Pan	128	
19	Pan Fine	0	Fine byte of Pan
20	Tilt	128	
21	Tilt Fine	0	Fine byte of Tilt
22	Zoom	0	0–254 Narrow 255–255 Wide
23	Color Mix Mode	0	0–254 Slow 255–255 Fast

Extended RGBW (continued)

Ch	Function	Default	DMX values
24	Control1	0	0–1 HOME-Zero 2–3 Fan Auto # 4–5 Fan Silent 6–7 Fan Theatre 8–9 Fan Constant 10–11 Zoom Reposition ON # 12–13 Zoom reposition OFF 14–24 P/T Fast # 25–37 P/T STD 38–42 Dim Curve 1 # 43–47 Dim Curve 2 48–52 Dim Curve 3 53–55 Dim Curve 4 56–57 Dim Curve 5 58–62 Gamma 1 63–67 Gamma 1_5 68–72 Gamma 2_2 # 73–77 Callibration OFF # 78–82 Calibration ON 83–87 Dim Fade OFF # 88–92 Dim fade ON 168–188 600Hz 189–199 1200Hz 200–210 2000Hz # 211–232 4000Hz 233–243 25000Hz 244–248 Display OFF # 249–253 Display ON 254–255 Default Function Recall
25	Fixture Global Reset	0	0–25 Unused 26–76 Zoom Reset 77–127 P/T Reset 128–255 Complete Reset
26	Shutter / Strobe	104	0–3 Close 4–102 Strobe Min 103–103 Strobe Max 104–107 Open 108–206 Shutter1StrobePulse · Min 500mHz 0.5–24.8 Hz 207–207 Shutter1StrobePulse · Max 25Hz 25 Hz 208–212 Open 213–225 Shutter1StrobeRandom 6 · Slow 1–8.58 Hz 226–238 Shutter1StrobeRandom 6 · Medium 9.21–16.8 Hz 239–251 Shutter1StrobeRandom 6 · Fast 17.4–25 Hz 252–255 Open
27	Dimmer	0	0–254 Closed 255–255 Open
28	Dimmer Fine	0	Fine byte of Dimmer
29	Red	0	
30	Green	0	
31	Blue	0	
32	Red	0	
33	Green	0	
34	Blue	0	
35	Red	0	
36	Green	0	
37	Blue	0	
38	Red	0	

Extended RGBW (continued)

Ch	Function	Default	DMX values
39	Green	0	
40	Blue	0	
41	Red	0	
42	Green	0	
43	Blue	0	

Extended RGBW 16bit

70 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Red Fine	0	Fine byte of Red
3	Green	0	
4	Green Fine	0	Fine byte of Green
5	Blue	0	
6	Blue Fine	0	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White
9	Red	0	
10	Red Fine	0	Fine byte of Red
11	Green	0	
12	Green Fine	0	Fine byte of Green
13	Blue	0	
14	Blue Fine	0	Fine byte of Blue
15	White	0	
16	White Fine	0	Fine byte of White
17	Red	0	
18	Red Fine	0	Fine byte of Red
19	Green	0	
20	Green Fine	0	Fine byte of Green
21	Blue	0	
22	Blue Fine	0	Fine byte of Blue
23	White	0	
24	White Fine	0	Fine byte of White
25	C TO	0	
26	Color Macro1	0	
27	Shutter / Strobe	104	0–3 Close 4–102 Strobe Min 103–103 Strobe Max 104–107 Open 108–206 Shutter1StrobePulse · Min 500mHz 0.5–24.8 Hz 207–207 Shutter1StrobePulse · Max 25Hz 25 Hz 208–212 Open 213–225 Shutter1StrobeRandom · Slow 1–8.58 Hz 226–238 Shutter1StrobeRandom · Medium 9.21–16.8 Hz 239–251 Shutter1StrobeRandom · Fast 17.4–25 Hz 252–255 Open
28	Dimmer	0	
29	Dimmer Fine	0	Fine byte of Dimmer

Extended RGBW 16bit (continued)

Ch	Function	Default	DMX values
30	Pan	128	
31	Pan Fine	0	Fine byte of Pan
32	Tilt	128	
33	Tilt Fine	0	Fine byte of Tilt
34	Zoom	0	
35	Color Mix Mode	0	
36	Control1	0	
37	Fixture Global Reset	0	
38	Shutter / Strobe	104	0–3 Close 4–102 Strobe Min 103–103 Strobe Max 104–107 Open 108–206 Shutter1StrobePulse · Min 500mHz 0.5–24.8 Hz 207–207 Shutter1StrobePulse · Max 25Hz 25 Hz 208–212 Open 213–225 Shutter1StrobeRandom 6 · Slow 1–8.58 Hz 226–238 Shutter1StrobeRandom 6 · Medium 9.21–16.8 Hz 239–251 Shutter1StrobeRandom 6 · Fast 17.4–25 Hz 252–255 Open
39	Dimmer	0	
40	Dimmer Fine	0	Fine byte of Dimmer
41	Red	0	
42	Red Fine	0	Fine byte of Red
43	Green	0	
44	Green Fine	0	Fine byte of Green
45	Blue	0	
46	Blue Fine	0	Fine byte of Blue
47	Red	0	
48	Red Fine	0	Fine byte of Red
49	Green	0	
50	Green Fine	0	Fine byte of Green
51	Blue	0	
52	Blue Fine	0	Fine byte of Blue
53	Red	0	
54	Red Fine	0	Fine byte of Red
55	Green	0	
56	Green Fine	0	Fine byte of Green
57	Blue	0	
58	Blue Fine	0	Fine byte of Blue
59	Red	0	
60	Red Fine	0	Fine byte of Red
61	Green	0	
62	Green Fine	0	Fine byte of Green
63	Blue	0	
64	Blue Fine	0	Fine byte of Blue
65	Red	0	
66	Red Fine	0	Fine byte of Red
67	Green	0	

Extended RGBW 16bit (continued)

Ch	Function	Default	DMX values
68	Green Fine	0	Fine byte of Green
69	Blue	0	
70	Blue Fine	0	Fine byte of Blue