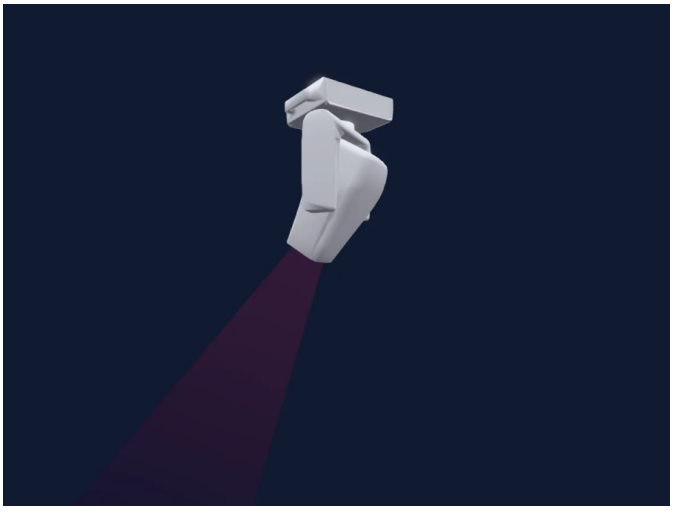
Clay Paky

Arolla Aqua S-LT



Manufacturer	**Clay Paky**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**44, 54 channels**
Beam angle	**4-50°**
Pan range	**540°**
Tilt range	**250°**
Size (W × H × D)	**253 × 452 × 226 mm**
GDTF fixture type	**B4C2240F-ECDC-44C5-86A3-FE…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Basic	44 ch
Standard	54 ch

Basic

44 channels

Ch	Function	Default	DMX values
1	Cyan	0	0–254 0% 255–255 100%
2	Magenta	0	0–254 0% 255–255 100%
3	Yellow	0	0–254 0% 255–255 100%
4	C TO	0	0–9 OFF 10–255 CTO
5	Tint	0	0–0 Off 1–126 -1/2Green>Neutral 127–128 Neutral 129–255 Neutral>+1/2Green
6	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 Open/DkRed (wheel slot 1) 10–14 Dark Red (wheel slot 2) 15–19 DkRed/Blue (wheel slot 2) 20–24 Blue (wheel slot 3) 25–29 Blue/Green (wheel slot 3) 30–34 Green (wheel slot 4) 35–39 Green/HMGreen (wheel slot 4) 40–44 Half Minus Green (wheel slot 5) 45–49 HMGreen/DOrange (wheel slot 5) 50–54 Deep Orange (wheel slot 6) 55–59 DpOrange/DpBlue (wheel slot 6) 60–64 Deep Blue (wheel slot 7) 65–69 DpBlue/Open (wheel slot 7) 70–127 Scroll 128–254 0 deg 255–255 360 deg
7	Shutter / Strobe	104	0–3 Closed 4–102 Linear Strobe · Slow 1–24.8 Hz 103–103 Linear Strobe · Fast 25 Hz 104–107 Open 108–206 Linear Pulse · Slow 1–24.8 Hz 207–207 Linear Pulse · Fast 25 Hz 208–212 Open 213–225 Random · Low Frequency 1 Hz 226–238 Random · Medium Frequency 1 Hz 239–251 Random · High Frequency 1 Hz 252–255 Open
8	Dimmer	0	0–254 Close 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Iris	131	5–127 Min to Max 128–131 Open 132–132 Pulse - Slow 133–170 Pulse Slow - Fast 171–171 Pulse - Fast 172–172 Pulse Open Slow 173–210 Pulse Open 211–211 Pulse open Fast 212–212 Pulse Close Slow 213–250 Pulse Close Slow to Fast 251–251 Pulse Close Fast 252–255 Open

Basic (continued)

Ch	Function	Default	DMX values
11	Gobo	0	0–5 Open (wheel slot 1) 6–10 Gobo 1 (wheel slot 2) 11–15 Gobo 2 (wheel slot 3) 16–20 Gobo 3 (wheel slot 4) 21–25 Gobo 4 (wheel slot 5) 26–30 Gobo 5 (wheel slot 6) 31–35 Gobo 6 (wheel slot 7) 36–40 Gobo 7 (wheel slot 8) 41–45 Gobo 8 (wheel slot 9) 46–50 Gobo 9 (wheel slot 10) 51–61 GbShk 1 (wheel slot 2) 62–72 GbShk 2 (wheel slot 3) 73–83 GbShk 3 (wheel slot 4) 84–94 GbShk 4 (wheel slot 5) 95–105 GbShk 5 (wheel slot 6) 106–116 GbShk 6 (wheel slot 7) 117–127 GbShk 7 (wheel slot 8) 128–138 GbShk 8 (wheel slot 9) 139–150 GbShk 9 (wheel slot 10) 151–200 FW Fast>Slow 201–205 Stop 206–255 BW Slow>Fast
12	Gobo 2	0	0–10 Open (wheel slot 1) 11–15 Gobo 1 (wheel slot 2) 16–20 Gobo 2 (wheel slot 3) 21–25 Gobo 3 (wheel slot 4) 26–30 Gobo 4 (wheel slot 5) 31–35 Gobo 5 (wheel slot 6) 36–40 Gobo 6 (wheel slot 7) 41–45 Gobo 7 (wheel slot 8) 46–60 GbShk 1 61–75 GbShk 2 76–90 GbShk 3 91–105 GbShk 4 106–120 GbShk 5 121–135 GbShk 6 136–150 GbShk 7 151–200 FW Fast>Slow 201–205 Stop 206–255 BW Slow>Fast
13	Gobo Rotation 2	0	0–126 0 127–127 540 128–190 FW Fast>Slow 191–192 Stop 193–255 BW Slow>Fast
14	Prism	128	0–0 Open (wheel slot 1) 1–127 Prism1 (wheel slot 2) 128–128 Open (wheel slot 1) 129–254 Prism2 (wheel slot 3) 255–255 Open (wheel slot 1)
15	Prism Rotation	0	0–126 0 (wheel slot 2) 127–127 540 (wheel slot 2) 128–190 CW Fast>Slow (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 CCW Slow>Fast (wheel slot 2)
16	Animation Wheel1	0	0–0 Open (wheel slot 1) 1–255 Animation (wheel slot 2)
17	Animation Wheel1Pos Rotate	0	0–3 Stop (wheel slot 2) 4–127 FW Slow>Fast (wheel slot 2) 128–131 Stop (wheel slot 2) 132–255 BW Slow>Fast (wheel slot 2)

Basic (continued)

Ch	Function	Default	DMX values
18	Frost1	0	0–0 Open (wheel slot 1) 1–255 Light Frost (wheel slot 2)
19	Frost2	0	0–0 Open (wheel slot 1) 1–255 Heavy Frost (wheel slot 2)
20	Focus	0	0–254 Distant 255–255 Near
21	Focus Fine	0	Fine byte of Focus
22	Zoom	0	0–127 Narrow 128–254 Home 255–255 Wide
23	Zoom Fine	0	Fine byte of Zoom
24	Blade1A	0	0–127 Min 1A 128–254 Center 255–255 Max 1A
25	Blade1Rot	128	0–0 -25 1–127 -25 - 0 128–128 0 129–254 0 - 25 255–255 25
26	Blade2A	0	0–127 Min 2A 128–254 Center 255–255 Max 2A
27	Blade2Rot	128	0–0 - 25 1–127 -25- 0 128–128 0 129–254 0 - 25 255–255 25
28	Blade3A	0	0–127 Min 3A 128–254 Center 255–255 Max 3A
29	Blade3Rot	128	0–0 -25 1–127 -25- 0 128–128 0 129–254 0 - 25 255–255 30
30	Blade4A	0	0–127 MIn 4A 128–254 Center 255–255 Max 4A
31	Blade4Rot	128	0–0 -25 1–127 -25- 0 128–128 0 129–254 0 - 25 255–255 25
32	Shaper Rot	128	0–0 Left 1–127 Left> Center 128–128 Center 129–254 Center> Right 255–255 Right

Basic (continued)

Ch	Function	Default	DMX values
33	Shaper Macros	0	0–3 Off 4–11 Macro 1 12–18 Macro 2 19–25 Macro 3 26–32 Macro 4 33–39 Macro 5 40–47 Macro 6 48–54 Macro 7 55–61 Macro 8 62–68 Macro 9 69–75 Macro 10 76–82 Macro 11 83–90 Macro 12 91–97 Macro 13 98–104 Macro 14 105–111 Macro 15 112–118 Macro 16 119–125 Macro 17 126–133 Macro 18 134–140 Macro 19 141–147 Macro 20 148–154 Macro 21 155–161 Macro 22 162–168 Macro 23 169–176 Macro 24 177–183 Macro 25 184–190 Macro 26 191–197 Macro 27 198–204 Macro 28 205–211 Macro 29 212–219 Macro 30 220–226 Macro 31 227–233 Macro 32 234–240 Macro 33 241–247 Macro 34 248–255 Macro 35
34	Shaper Macros Speed	0	0–254 Slow 255–255 Fast
35	Pan	127	
36	Pan Fine	255	Fine byte of Pan
37	Pan Rotate	0	0–3 No Rotation 4–125 CW Fast>Slow 126–129 Stop 130–255 CCW Slow>Fast
38	Tilt	127	
39	Tilt Fine	255	Fine byte of Tilt
40	Tilt Rotate	0	0–3 No Rotation 4–125 FW Fast>Slow 126–129 Stop 130–255 BW Slow>Fast
41	Fixture Global Reset	0	0–25 Unused Range 26–76 Effect Reset 77–127 Pan / Tilt Reset 128–255 Complete Reset

Basic (continued)

Ch	Function	Default	DMX values
42	Function	0	0–5 Home-Zero 6–11 Freq 600Hz 12–17 Freq 1200Hz 18–22 Freq 2000Hz 23–28 Freq 4000Hz 29–34 Freq 6000Hz 35–40 Freq 20000Hz # 41–50 Dim Curve 1 # 51–60 Dim Curve 2 61–70 Dim Curve 3 71–75 Dim Curve 4 76–80 Dim Curve 5 81–90 Fan Constant 91–100 Fan Auto # 101–110 Fan Silent 111–120 Fan Theatre 121–125 Sunsafe OFF # 126–130 Sunsafe ON 131–135 Dimmer Fade OFF # 136–140 Dimmer Fade ON 141–145 CMY Shortcut OFF 146–160 CMY Shortcut ON # 171–180 P/T Smooth OFF 181–190 P/T Smooth ON # 191–195 P/T Slow 196–200 P/T Med 201–205 P/T Fast # 206–210 P/T Follow Spot 211–215 Z/F Speed STD # 216–220 Z/F Speed Fast 221–230 CMY Normal 231–240 CMY Fast # 241–246 Display OFF # 247–252 Display ON 253–255 Default Function Recall
43	Dummy	0	
44	Dummy Fine	0	Fine byte of Dummy

Standard

54 channels

Ch	Function	Default	DMX values
1	Cyan	0	0–254 0% 255–255 100%
2	Cyan Fine	0	Fine byte of Cyan
3	Magenta	0	0–254 0% 255–255 100%
4	Magenta Fine	0	Fine byte of Magenta
5	Yellow	0	0–254 0% 255–255 100%
6	Yellow Fine	0	Fine byte of Yellow
7	C TO	0	0–9 OFF 10–255 CTO
8	C TO Fine	0	Fine byte of C TO
9	Tint	0	0–0 Off 1–126 -1/2Green>Neutral 127–128 Neutral 129–255 Neutral>+1/2Green

Standard (continued)

Ch	Function	Default	DMX values
10	Color1Mode	0	0–85 Whole Color 86–170 Half Color 171–255 Linear Path
11	Color Wheel	0	0–6 Open (wheel slot 1) 7–12 Open/DkRed (wheel slot 1) 13–18 Dark Red (wheel slot 2) 19–24 DkRed/Blue (wheel slot 2) 25–30 Blue (wheel slot 3) 31–36 Blue/Green (wheel slot 3) 37–42 Green (wheel slot 4) 43–48 Green/HMGreen (wheel slot 4) 49–54 Half Minus Green (wheel slot 5) 55–60 HMGreen/DOrange (wheel slot 5) 61–66 Deep Orange (wheel slot 6) 67–72 DpOrange/DpBlue (wheel slot 6) 73–84 Deep Blue (wheel slot 7) 85–89 Open (wheel slot 1) 90–127 Scroll 128–254 0 deg 255–255 360 deg
12	Shutter / Strobe	104	0–3 Closed 4–102 Linear Strobe · Slow 1–24.8 Hz 103–103 Linear Strobe · Fast 25 Hz 104–107 Open 108–206 Linear Pulse · Slow 1–24.8 Hz 207–207 Linear Pulse · Fast 25 Hz 208–212 Open 213–225 Random · Low Frequency 1 Hz 226–238 Random · Medium Frequency 1 Hz 239–251 Random · High Frequency 1 Hz 252–255 Open
13	Dimmer	0	0–254 Close 255–255 Open
14	Dimmer Fine	0	Fine byte of Dimmer
15	Iris	131	5–127 Min to Max 128–131 Open 132–132 Pulse - Slow 133–170 Pulse Slow - Fast 171–171 Pulse - Fast 172–172 Pulse Open Slow 173–210 Pulse Open 211–211 Pulse open Fast 212–212 Pulse Close Slow 213–250 Pulse Close Slow to Fast 251–251 Pulse Close Fast 252–255 Open
16	Gobo1Wheel Mode	0	0–127 Whole 128–255 Shake Slow>Fast

Standard (continued)

Ch	Function	Default	DMX values
17	Gobo	0	0–15 Open (wheel slot 1) 16–30 Gobo 1 (wheel slot 2) 31–45 Gobo 2 (wheel slot 3) 46–60 Gobo 3 (wheel slot 4) 61–75 Gobo 4 (wheel slot 5) 76–90 Gobo 5 (wheel slot 6) 91–105 Gobo 6 (wheel slot 7) 106–120 Gobo 7 (wheel slot 8) 121–135 Gobo 8 (wheel slot 9) 136–150 Gobo 9 (wheel slot 10) 151–200 FW Fast>Slow 201–205 Stop 206–255 BW Slow>Fast
18	Gobo2Wheel Mode	0	0–127 Whole 128–255 Shake Slow>Fast
19	Gobo 2	0	0–18 Open (wheel slot 1) 19–37 Gobo 1 (wheel slot 2) 38–56 Gobo 2 (wheel slot 3) 57–75 Gobo 3 (wheel slot 4) 76–94 Gobo 4 (wheel slot 5) 95–113 Gobo 5 (wheel slot 6) 114–132 Gobo 6 (wheel slot 7) 133–150 Gobo 7 (wheel slot 8) 151–200 FW Fast>Slow 201–205 Stop 206–255 BW Slow>Fast
20	Gobo Rotation 2	0	0–126 0 127–127 540 128–190 FW Fast>Slow 191–192 Stop 193–255 BW Slow>Fast
21	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
22	Prism	128	0–0 Open (wheel slot 1) 1–127 Prism1 (wheel slot 2) 128–128 Open (wheel slot 1) 129–254 Prism2 (wheel slot 3) 255–255 Open (wheel slot 1)
23	Prism Rotation	0	0–126 0 (wheel slot 2) 127–127 540 (wheel slot 2) 128–190 CW Fast>Slow (wheel slot 2) 191–192 Stop (wheel slot 2) 193–255 CCW Slow>Fast (wheel slot 2)
24	Animation Wheel1	0	0–0 Open (wheel slot 1) 1–255 Animation (wheel slot 2)
25	Animation Wheel1Pos Rotate	0	0–3 Stop (wheel slot 2) 4–127 FW Slow>Fast (wheel slot 2) 128–131 Stop (wheel slot 2) 132–255 BW Slow>Fast (wheel slot 2)
26	Frost1	0	0–0 Open (wheel slot 1) 1–255 Light Frost (wheel slot 2)
27	Frost2	0	0–0 Open (wheel slot 1) 1–255 Heavy Frost (wheel slot 2)
28	Focus	0	0–254 Distant 255–255 Near
29	Focus Fine	0	Fine byte of Focus
30	Zoom	0	0–127 Narrow 128–254 Home 255–255 Wide

Standard (continued)

Ch	Function	Default	DMX values
31	Zoom Fine	0	Fine byte of Zoom
32	Blade1A	0	0–127 Min 1A 128–254 Center 255–255 Max 1A
33	Blade1Rot	128	0–0 -25 1–127 -25 - 0 128–128 0 129–254 0 - 25 255–255 25
34	Blade2A	0	0–127 Min 2A 128–254 Center 255–255 Max 2A
35	Blade2Rot	128	0–0 - 25 1–127 -25- 0 128–128 0 129–254 0 - 25 255–255 25
36	Blade3A	0	0–127 Min 3A 128–254 Center 255–255 Max 3A
37	Blade3Rot	128	0–0 -25 1–127 -25- 0 128–128 0 129–254 0 - 25 255–255 30
38	Blade4A	0	0–127 MIn 4A 128–254 Center 255–255 Max 4A
39	Blade4Rot	128	0–0 -25 1–127 -25- 0 128–128 0 129–254 0 - 25 255–255 25
40	Shaper Rot	128	0–0 Left 1–127 Left> Center 128–128 Center 129–254 Center> Right 255–255 Right

Standard (continued)

Ch	Function	Default	DMX values
41	Shaper Macros	0	0–3 Off 4–11 Macro 1 12–18 Macro 2 19–25 Macro 3 26–32 Macro 4 33–39 Macro 5 40–47 Macro 6 48–54 Macro 7 55–61 Macro 8 62–68 Macro 9 69–75 Macro 10 76–82 Macro 11 83–90 Macro 12 91–97 Macro 13 98–104 Macro 14 105–111 Macro 15 112–118 Macro 16 119–125 Macro 17 126–133 Macro 18 134–140 Macro 19 141–147 Macro 20 148–154 Macro 21 155–161 Macro 22 162–168 Macro 23 169–176 Macro 24 177–183 Macro 25 184–190 Macro 26 191–197 Macro 27 198–204 Macro 28 205–211 Macro 29 212–219 Macro 30 220–226 Macro 31 227–233 Macro 32 234–240 Macro 33 241–247 Macro 34 248–255 Macro 35
42	Shaper Macros Speed	0	0–254 Slow 255–255 Fast
43	Pan	127	
44	Pan Fine	255	Fine byte of Pan
45	Pan Rotate	0	0–0 No Rotation 1–255 Rot Slow>Fast
46	Pan Direction	0	0–127 CCW 128–255 CW
47	Tilt	127	
48	Tilt Fine	255	Fine byte of Tilt
49	Tilt Rotate	0	0–0 No Rotation 1–255 Rot Slow>Fast
50	Tilt Direction	0	0–127 FW 128–255 BW
51	Fixture Global Reset	0	0–25 Unused Range 26–76 Effect Reset 77–127 Pan / Tilt Reset 128–255 Complete Reset

Standard (continued)

Ch	Function	Default	DMX values
52	Function	0	0–5 Home-Zero 6–11 Freq 600Hz 12–17 Freq 1200Hz 18–22 Freq 2000Hz 23–28 Freq 4000Hz 29–34 Freq 6000Hz 35–40 Freq 20000Hz # 41–50 Dim Curve 1 # 51–60 Dim Curve 2 61–70 Dim Curve 3 71–75 Dim Curve 4 76–80 Dim Curve 5 81–90 Fan Constant 91–100 Fan Auto # 101–110 Fan Silent 111–120 Fan Theatre 121–125 Sunsafe OFF # 126–130 Sunsafe ON 131–135 Dimmer Fade OFF # 136–140 Dimmer Fade ON 141–145 CMY Shortcut OFF 146–160 CMY Shortcut ON # 171–180 P/T Smooth OFF 181–190 P/T Smooth ON # 191–195 P/T Slow 196–200 P/T Med 201–205 P/T Fast # 206–210 P/T Follow Spot 211–215 Z/F Speed STD # 216–220 Z/F Speed Fast 221–230 CMY Normal 231–240 CMY Fast # 241–246 Display OFF # 247–252 Display ON 253–255 Default Function Recall
53	Dummy	0	
54	Dummy Fine	0	Fine byte of Dummy