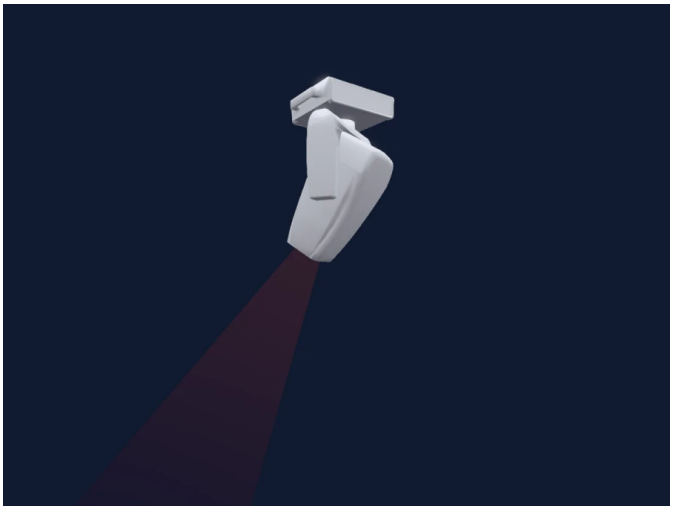
Clay Paky

Arolla Aqua LT



Manufacturer	**Clay Paky**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**38, 41 channels**
Beam angle	**4-50°**
Pan range	**540°**
Tilt range	**250°**
Size (W × H × D)	**299 × 561 × 276 mm**
GDTF fixture type	**76B09810-A633-45B1-A37A-82…**

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

Standard	38 ch
Extended	41 ch

Standard

38 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	C TO	0	0–254 7000K 255–255 2500K
5	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 Open/Dark Red (wheel slot 2) 10–14 Dark Red (wheel slot 2) 15–19 Dark Red/Blue (wheel slot 3) 20–24 Blue (wheel slot 3) 25–29 Blue/Green (wheel slot 4) 30–34 Green (wheel slot 4) 35–39 Green/Half Minus Green (wheel slot 5) 40–44 Half Minus Green (wheel slot 5) 45–49 Half Minus Green/Deep Orange (wheel slot 6) 50–54 Deep Orange (wheel slot 6) 55–59 Deep Orange/Deep Blue (wheel slot 7) 60–64 Deep Blue (wheel slot 7) 65–69 Deep Blue/Open (wheel slot 1) 70–127 CW Slow to Fast 128–254 0 deg 255–255 360 deg
6	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
7	Dimmer	0	0–254 Close 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	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

Standard (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–7 Open (wheel slot 1) 8–15 Gobo 1 (wheel slot 2) 16–23 Gobo 2 (wheel slot 3) 24–31 Gobo 3 (wheel slot 4) 32–39 Gobo 4 (wheel slot 5) 40–47 Gobo 5 (wheel slot 6) 48–55 Gobo 6 (wheel slot 7) 56–63 Gobo 7 (wheel slot 8) 64–71 Gobo 8 (wheel slot 9) 72–113 Fast to Slow 114–117 Stop 118–159 Slow to Fast 160–171 Gobo 1 (wheel slot 2) 172–183 Gobo 2 (wheel slot 3) 184–195 Gobo 3 (wheel slot 4) 196–207 Gobo 4 (wheel slot 5) 208–219 Gobo 5 (wheel slot 6) 220–231 Gobo 6 (wheel slot 7) 232–243 Gobo 7 (wheel slot 8) 244–255 Gobo 8 (wheel slot 9)
11	Gobo 2	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) 41–55 Gobo 1 (wheel slot 2) 56–70 Gobo 2 (wheel slot 3) 71–85 Gobo 3 (wheel slot 4) 86–100 Gobo 4 (wheel slot 5) 101–115 Gobo 5 (wheel slot 6) 116–130 Gobo 6 (wheel slot 7) 131–145 Gobo 7 (wheel slot 8) 146–146 Stop 147–200 Rev Slow>Fast 201–201 Stop 202–255 Fw Slow>Fast
12	Gobo Rotation 2	0	0–126 0 127–127 540 128–190 Fast to Slow 191–192 Stop 193–255 Slow to Fast
13	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
14	Prism	0	0–127 Open (wheel slot 1) 128–255 4-Facet Circular Prism (wheel slot 2)
15	Prism Rotation	0	0–126 0 127–127 540 128–190 CW Fast to Slow 191–192 Stop 193–255 CCW Slow to Fast
16	Animation Wheel1	0	0–7 Open (wheel slot 1) 8–255 Animation (wheel slot 2)
17	Animation Wheel1Pos Rotate	0	0–3 Stop (wheel slot 2) 4–127 CW Slow to Fast (wheel slot 2) 128–131 Stop (wheel slot 2) 132–255 CCW Slow to Fast (wheel slot 2)
18	Frost1	0	0–254 Open Light Frost (wheel slot 1) 255–255 Light Frost (wheel slot 2)

Standard (continued)

Ch	Function	Default	DMX values
19	Frost2	0	0–254 Open Heavy Frost (wheel slot 1) 255–255 Heavy Frost (wheel slot 2)
20	Focus	0	
21	Zoom	0	0–127 Min 128–254 Home 255–255 Max
22	Blade1A	0	0–127 Min 1A 128–254 Center 255–255 Max 1A
23	Blade1Rot	128	0–0 +30 1–127 +30 < 0 128–128 0 129–254 0 > -30 255–255 -30
24	Blade2A	0	0–127 Min 2A 128–254 Center 255–255 Max 2A
25	Blade2Rot	128	0–0 -30 1–127 -30 < 0 128–128 0 129–254 0 > +30 255–255 +30
26	Blade3A	0	0–127 Min 3A 128–254 Center 255–255 Max 3A
27	Blade3Rot	128	0–0 +30 1–127 +30 < 0 128–128 0 129–254 0 > -30 255–255 -30
28	Blade4A	0	0–127 MIn 4A 128–254 Center 255–255 Max 4A
29	Blade4Rot	128	0–0 -30 1–127 -30 < 0 128–128 0 129–254 0 > +30 255–255 +30
30	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
31	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
32	Shaper Macros Speed	0	0–254 Slow 255–255 Fast
33	Pan	127	
34	Pan Fine	255	Fine byte of Pan
35	Tilt	127	
36	Tilt Fine	255	Fine byte of Tilt
37	Fixture Global Reset	0	0–25 Unused Range 26–76 Effect Reset 77–127 Pan / Tilt Reset 128–255 Fixture Reset

Standard (continued)

Ch	Function	Default	DMX values
38	Function	0	0–5 Home-Zero 6–11 PWM Frequency 600Hz 12–17 PWM Frequency 1200Hz 18–22 PWM Frequency 2000Hz 23–28 PWM Frequency 4000Hz 29–34 PWM Frequency 6000Hz 35–40 PWM Frequency 20000Hz # 41–50 Dimmer Curve 1 # 51–60 Dimmer Curve 2 61–70 Dimmer Curve 3 71–75 Dimmer Curve 4 76–80 Dimmer Curve 5 81–90 Constant 91–100 Auto # 101–110 SLN 111–120 Theatre 121–125 Sunsafe OFF # 126–130 Sunsafe ON 131–135 Dimmer Fade OFF # 136–140 Dimmer Fade ON 141–145 Color Dim Delay OFF # 146–150 Color Dim Delay ON 151–155 Absolute Pos OFF 156–160 Absolute Pos ON # 161–165 P/T Disable OFF # 166–170 P/T Disable 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 Speed 231–240 CMY Fast Speed # 241–246 Display OFF # 247–252 Display ON 253–255 Default Function Recall

Extended

41 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	C TO	0	0–254 7000K 255–255 2500K

Extended (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 Open/Dark Red (wheel slot 2) 10–14 Dark Red (wheel slot 2) 15–19 Dark Red/Blue (wheel slot 3) 20–24 Blue (wheel slot 3) 25–29 Blue/Green (wheel slot 4) 30–34 Green (wheel slot 4) 35–39 Green/Half Minus Green (wheel slot 5) 40–44 Half Minus Green (wheel slot 5) 45–49 Half Minus Green/Deep Orange (wheel slot 6) 50–54 Deep Orange (wheel slot 6) 55–59 Deep Orange/Deep Blue (wheel slot 7) 60–64 Deep Blue (wheel slot 7) 65–69 Deep Blue/Open (wheel slot 1) 70–127 CW Slow to Fast 128–254 0 deg 255–255 360 deg
6	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
7	Dimmer	0	0–254 Close 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	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

Extended (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–7 Open (wheel slot 1) 8–15 Gobo 1 (wheel slot 2) 16–23 Gobo 2 (wheel slot 3) 24–31 Gobo 3 (wheel slot 4) 32–39 Gobo 4 (wheel slot 5) 40–47 Gobo 5 (wheel slot 6) 48–55 Gobo 6 (wheel slot 7) 56–63 Gobo 7 (wheel slot 8) 64–71 Gobo 8 (wheel slot 9) 72–113 Fast to Slow 114–117 Stop 118–159 Slow to Fast 160–171 Gobo 1 (wheel slot 2) 172–183 Gobo 2 (wheel slot 3) 184–195 Gobo 3 (wheel slot 4) 196–207 Gobo 4 (wheel slot 5) 208–219 Gobo 5 (wheel slot 6) 220–231 Gobo 6 (wheel slot 7) 232–243 Gobo 7 (wheel slot 8) 244–255 Gobo 8 (wheel slot 9)
11	Gobo 2	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) 41–55 Gobo 1 (wheel slot 2) 56–70 Gobo 2 (wheel slot 3) 71–85 Gobo 3 (wheel slot 4) 86–100 Gobo 4 (wheel slot 5) 101–115 Gobo 5 (wheel slot 6) 116–130 Gobo 6 (wheel slot 7) 131–145 Gobo 7 (wheel slot 8) 146–146 Stop 147–200 Rev Slow>Fast 201–201 Stop 202–255 Fw Slow>Fast
12	Gobo Rotation 2	0	0–126 0 127–127 540 128–190 Fast to Slow 191–192 Stop 193–255 Slow to Fast
13	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
14	Prism	0	0–127 Open (wheel slot 1) 128–255 4-Facet Circular Prism (wheel slot 2)
15	Prism Rotation	0	0–126 0 127–127 540 128–190 CW Fast to Slow 191–192 Stop 193–255 CCW Slow to Fast
16	Animation Wheel1	0	0–7 Open (wheel slot 1) 8–255 Animation (wheel slot 2)
17	Animation Wheel1Pos Rotate	0	0–3 Stop (wheel slot 2) 4–127 CW Slow to Fast (wheel slot 2) 128–131 Stop (wheel slot 2) 132–255 CCW Slow to Fast (wheel slot 2)
18	Frost1	0	0–254 Open Light Frost (wheel slot 1) 255–255 Light Frost (wheel slot 2)

Extended (continued)

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

Extended (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	Tilt	127	
38	Tilt Fine	255	Fine byte of Tilt
39	Fixture Global Reset	0	0–25 Unused Range 26–76 Effect Reset 77–127 Pan / Tilt Reset 128–255 Fixture Reset

Extended (continued)

Ch	Function	Default	DMX values
40	Function	0	0–5 Home-Zero 6–11 PWM Frequency 600Hz 12–17 PWM Frequency 1200Hz 18–22 PWM Frequency 2000Hz 23–28 PWM Frequency 4000Hz 29–34 PWM Frequency 6000Hz 35–40 PWM Frequency 20000Hz # 41–50 Dimmer Curve 1 # 51–60 Dimmer Curve 2 61–70 Dimmer Curve 3 71–75 Dimmer Curve 4 76–80 Dimmer Curve 5 81–90 Constant 91–100 Auto # 101–110 SLN 111–120 Theatre 121–125 Sunsafe OFF # 126–130 Sunsafe ON 131–135 Dimmer Fade OFF # 136–140 Dimmer Fade ON 141–145 Color Dim Delay OFF # 146–150 Color Dim Delay ON 151–155 Absolute Pos OFF 156–160 Absolute Pos ON # 161–165 P/T Disable OFF # 166–170 P/T Disable 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 Speed 231–240 CMY Fast Speed # 241–246 Display OFF # 247–252 Display ON 253–255 Default Function Recall
41	Tint	0	0–0 Off 1–126 -1/2Green>Neutral 127–128 Neutral 129–255 Neutral>+1/2Green