Clay Paky

Arolla Profile HP



Manufacturer	**Clay Paky**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**39, 41 channels**
Beam angle	**5.8-50.5°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**349 × 590 × 340 mm**
GDTF fixture type	**4630178E-1E84-4833-8680-340…**

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	39 ch
Extended	41 ch

Standard

39 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	C TO	0	0–254 Min CTO 255–255 Max CTO
5	Color1Mode	0	0–85 Full color 86–170 Half Color 171–255 Linear Path
6	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 White/DarkRed (wheel slot 2) 10–14 Dark Red (wheel slot 2) 15–19 DarkRed/Brilliant Blue (wheel slot 3) 20–24 Brillant Blue (wheel slot 3) 25–29 Brilliant Blue/Deep Green (wheel slot 4) 30–34 Deep Green (wheel slot 4) 35–39 Deep Green/CRI-4 (wheel slot 5) 40–44 CRI-4 (wheel slot 5) 45–49 CRI-4/Dark Orange (wheel slot 6) 50–54 Dark Orange (wheel slot 6) 55–59 Dark Orange/ Navy Blue (wheel slot 7) 60–64 Navy Blue (wheel slot 7) 65–69 Navy Blu / Open (wheel slot 1) 70–127 Slow to Fast (CW) 128–255 Index
7	Shutter / Strobe	105	0–3 Closed 4–102 LInear Strobe Slow to Fast · 1Hz 1–19.8 Hz 103–103 LInear Strobe Slow to Fast · 25Hz 20 Hz 104–107 Open 108–206 Linear Pulse Slow to Fast · Slow 1–8.92 Hz 207–207 Linear Pulse Slow to Fast · Fast 9 Hz 208–212 Open 213–238 Random Strobe low to Fast · Slow 1–8.24 Hz 239–251 Random Strobe low to Fast · Fast 8.53–12 Hz 252–255 Open
8	Dimmer	0	0–254 Close 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Iris	255	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
11	Gobo	0	0–8 Open (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–92 <<< 93–112 << 113–113 < 114–117 Stop 118–138 > 139–158 >> 159–159 >>> 160–173 Gobo 1 (wheel slot 2) 174–187 Gobo 2 (wheel slot 3) 188–200 Gobo 3 (wheel slot 4) 201–214 Gobo 4 (wheel slot 5) 215–227 Gobo 5 (wheel slot 6) 228–241 Gobo 6 (wheel slot 7) 242–255 Gobo 7 (wheel slot 8)
12	Gobo 2	0	0–8 OPEN (wheel slot 1) 9–17 GOBO 1 (wheel slot 2) 18–26 GOBO 2 (wheel slot 3) 27–35 GOBO 3 (wheel slot 4) 36–44 GOBO 4 (wheel slot 5) 45–53 GOBO 5 (wheel slot 6) 54–71 GOBO 6 (wheel slot 7) 72–92 >>> 93–112 >> 113–113 > 114–117 Stop 118–138 < 139–158 << 159–159 <<< 160–175 Wheel Slot 1 (wheel slot 2) 176–191 Wheel Slot 2 (wheel slot 3) 192–207 Wheel Slot 3 (wheel slot 4) 208–223 Wheel Slot 4 (wheel slot 5) 224–248 Wheel Slot 5 (wheel slot 6) 249–255 Wheel Slot 6 (wheel slot 7)
13	Gobo Rotation 2	0	0–20 0 21–41 90 42–62 180 63–83 270 84–104 360 105–126 450 127–127 540 128–158 >>> 159–189 >> 190–190 > 191–192 0 193–223 < 224–254 << 255–255 <<<<
14	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
15	Prism	0	0–127 Open (wheel slot 1) 128–255 4 facet Prism (wheel slot 2)

Standard (continued)

Ch	Function	Default	DMX values
16	Prism Rotation	0	0–21 CW 0 TO 90 22–42 CW 90 to 180 43–63 CW 180 to 270 64–84 CW 270 to 360 85–105 CW 360 to 450 106–127 CW 450 to 540 128–190 CW 191–254 Stop 255–255 CCW
17	Animation Wheel1	0	0–7 Open (wheel slot 1) 8–255 Animation (wheel slot 2)
18	Animation Wheel1Pos Rotate	255	0–4 Stop (wheel slot 2) 5–127 <<< (wheel slot 2) 128–131 Stop (wheel slot 2) 132–255 >>> (wheel slot 2)
19	Frost1	0	0–254 Open (wheel slot 1) 255–255 Frost (Heavy) (wheel slot 2)
20	Frost2	0	0–254 Open (wheel slot 1) 255–255 Frost (Light) (wheel slot 2)
21	Focus	0	
22	Zoom	128	0–127 Min 128–254 Home 255–255 Max
23	Blade1A	0	0–127 Min 1A 128–254 Center 255–255 Max 1A
24	Blade1Rot	128	0–0 -30 1–127 -30 - 0 128–128 0 129–254 0 - 30 255–255 30
25	Blade2A	0	0–127 Min 2A 128–254 Center 255–255 Max 2A
26	Blade2Rot	128	0–0 - 30 1–127 -30 - 0 128–128 0 129–254 0 - 30 255–255 30
27	Blade3A	0	0–127 Min 3A 128–254 Center 255–255 Max 3A
28	Blade3Rot	128	0–0 -30 1–127 -30 - 0 128–128 0 129–254 0 - 30 255–255 30
29	Blade4A	0	0–127 MIn 4A 128–254 Center 255–255 Max 4A
30	Blade4Rot	128	0–0 -30 1–127 -30 - 0 128–128 0 129–254 0 - 30 255–255 30

Standard (continued)

Ch	Function	Default	DMX values
31	Shaper Rot	128	0–0 Left 1–127 Left - Center 128–128 Center 129–254 Center - Right 255–255 Right
32	Beam Shaper Macro	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
33	Shaper Macros Speed	0	0–254 Slow 255–255 Fast
34	Pan	128	
35	Pan Fine	0	Fine byte of Pan
36	Tilt	128	
37	Tilt Fine	0	Fine byte of Tilt
38	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
39	Function	0	0–5 Unused Range 11–11 LedFrequency 600Hz 12–17 LedFrequency 1200Hz 18–22 LedFrequency 2000Hz 23–28 LedFrequency 4000Hz 29–34 LedFrequency 6000Hz 35–40 LedFrequency 20000Hz* 41–50 Dimmer Curve1* 51–60 Dimmer Curve 2 61–70 Dimmer Curve 3 71–80 Dimmer Curve 4 81–90 1200W Costant 91–100 1200W Auto* 101–110 800W Costant 111–120 800W Auto 121–130 600W Costant 131–140 600W Auto 141–150 SLN 151–160 Theatre 161–170 Pan/Tilt Follow Spot 171–180 Pan/Tilt Smooth OFF 181–190 Pan/Tilt Smooth ON* 191–200 Pan/Tilt Slow Speed 201–210 Pan/Tilt Medium Speed 211–220 Pan/Tilt Normal Speed* 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 Min CTO 255–255 Max CTO
5	Color1Mode	0	0–85 Full color 86–170 Half Color 171–255 Linear Path
6	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 White/DarkRed (wheel slot 2) 10–14 Dark Red (wheel slot 2) 15–19 DarkRed/Brilliant Blue (wheel slot 3) 20–24 Brillant Blue (wheel slot 3) 25–29 Brilliant Blue/Deep Green (wheel slot 4) 30–34 Deep Green (wheel slot 4) 35–39 Deep Green/CRI-4 (wheel slot 5) 40–44 CRI-4 (wheel slot 5) 45–49 CRI-4/Dark Orange (wheel slot 6) 50–54 Dark Orange (wheel slot 6) 55–59 Dark Orange/ Navy Blue (wheel slot 7) 60–64 Navy Blue (wheel slot 7) 65–69 Navy Blu / Open (wheel slot 1) 70–127 Slow to Fast (CW) 128–255 Index

Extended (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	105	0–3 Closed 4–102 LInear Strobe Slow to Fast · 1Hz 1–19.8 Hz 103–103 LInear Strobe Slow to Fast · 25Hz 20 Hz 104–107 Open 108–206 Linear Pulse Slow to Fast · Slow 1–8.92 Hz 207–207 Linear Pulse Slow to Fast · Fast 9 Hz 208–212 Open 213–238 Random Strobe low to Fast · Slow 1–8.24 Hz 239–251 Random Strobe low to Fast · Fast 8.53–12 Hz 252–255 Open
8	Dimmer	0	0–254 Close 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Iris	255	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
11	Gobo	0	0–8 Open (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–92 <<< 93–112 << 113–113 < 114–117 Stop 118–138 > 139–158 >> 159–159 >>> 160–173 Gobo 1 (wheel slot 2) 174–187 Gobo 2 (wheel slot 3) 188–200 Gobo 3 (wheel slot 4) 201–214 Gobo 4 (wheel slot 5) 215–227 Gobo 5 (wheel slot 6) 228–241 Gobo 6 (wheel slot 7) 242–255 Gobo 7 (wheel slot 8)

Extended (continued)

Ch	Function	Default	DMX values
12	Gobo 2	0	0–8 OPEN (wheel slot 1) 9–17 GOBO 1 (wheel slot 2) 18–26 GOBO 2 (wheel slot 3) 27–35 GOBO 3 (wheel slot 4) 36–44 GOBO 4 (wheel slot 5) 45–53 GOBO 5 (wheel slot 6) 54–71 GOBO 6 (wheel slot 7) 72–92 >>> 93–112 >> 113–113 > 114–117 Stop 118–138 < 139–158 < 159–159 <<< 160–175 Wheel Slot 1 (wheel slot 2) 176–191 Wheel Slot 2 (wheel slot 3) 192–207 Wheel Slot 3 (wheel slot 4) 208–223 Wheel Slot 4 (wheel slot 5) 224–248 Wheel Slot 5 (wheel slot 6) 249–255 Wheel Slot 6 (wheel slot 7)
13	Gobo Rotation 2	0	0–20 0 21–41 90 42–62 180 63–83 270 84–104 360 105–126 450 127–127 540 128–158 >>> 159–189 >> 190–190 > 191–192 0 193–223 < 224–254 << 255–255 <<<<
14	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
15	Prism	0	0–127 Open (wheel slot 1) 128–255 4 facet Prism (wheel slot 2)
16	Prism Rotation	0	0–21 CW 0 TO 90 22–42 CW 90 to 180 43–63 CW 180 to 270 64–84 CW 270 to 360 85–105 CW 360 to 450 106–127 CW 450 to 540 128–190 CW 191–254 Stop 255–255 CCW
17	Animation Wheel1	0	0–7 Open (wheel slot 1) 8–255 Animation (wheel slot 2)
18	Animation Wheel1Pos Rotate	255	0–4 Stop (wheel slot 2) 5–127 <<< (wheel slot 2) 128–131 Stop (wheel slot 2) 132–255 >>> (wheel slot 2)
19	Frost1	0	0–254 Open (wheel slot 1) 255–255 Frost (Heavy) (wheel slot 2)
20	Frost2	0	0–254 Open (wheel slot 1) 255–255 Frost (Light) (wheel slot 2)
21	Focus	0	
22	Focus Fine	0	Fine byte of Focus

Extended (continued)

Ch	Function	Default	DMX values
23	Zoom	128	0–127 Min 128–254 Home 255–255 Max
24	Zoom Fine	128	Fine byte of Zoom
25	Blade1A	0	0–127 Min 1A 128–254 Center 255–255 Max 1A
26	Blade1Rot	128	0–0 -30 1–127 -30 - 0 128–128 0 129–254 0 - 30 255–255 30
27	Blade2A	0	0–127 Min 2A 128–254 Center 255–255 Max 2A
28	Blade2Rot	128	0–0 - 30 1–127 -30 - 0 128–128 0 129–254 0 - 30 255–255 30
29	Blade3A	0	0–127 Min 3A 128–254 Center 255–255 Max 3A
30	Blade3Rot	128	0–0 -30 1–127 -30 - 0 128–128 0 129–254 0 - 30 255–255 30
31	Blade4A	0	0–127 MIn 4A 128–254 Center 255–255 Max 4A
32	Blade4Rot	128	0–0 -30 1–127 -30 - 0 128–128 0 129–254 0 - 30 255–255 30
33	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
34	Beam Shaper Macro	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
35	Shaper Macros Speed	0	0–254 Slow 255–255 Fast
36	Pan	128	
37	Pan Fine	0	Fine byte of Pan
38	Tilt	128	
39	Tilt Fine	0	Fine byte of Tilt
40	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
41	Function	0	0–5 Unused Range 11–11 LedFrequency 600Hz 12–17 LedFrequency 1200Hz 18–22 LedFrequency 2000Hz 23–28 LedFrequency 4000Hz 29–34 LedFrequency 6000Hz 35–40 LedFrequency 20000Hz* 41–50 Dimmer Curve1* 51–60 Dimmer Curve 2 61–70 Dimmer Curve 3 71–80 Dimmer Curve 4 81–90 1200W Costant 91–100 1200W Auto* 101–110 800W Costant 111–120 800W Auto 121–130 600W Costant 131–140 600W Auto 141–150 SLN 151–160 Theatre 161–170 Pan/Tilt Follow Spot 171–180 Pan/Tilt Smooth OFF 181–190 Pan/Tilt Smooth ON* 191–200 Pan/Tilt Slow Speed 201–210 Pan/Tilt Medium Speed 211–220 Pan/Tilt Normal Speed* 221–230 CMY Normal Speed 231–240 CMY Fast Speed* 241–246 Display OFF* 247–252 Display ON 253–255 Default Function Recall