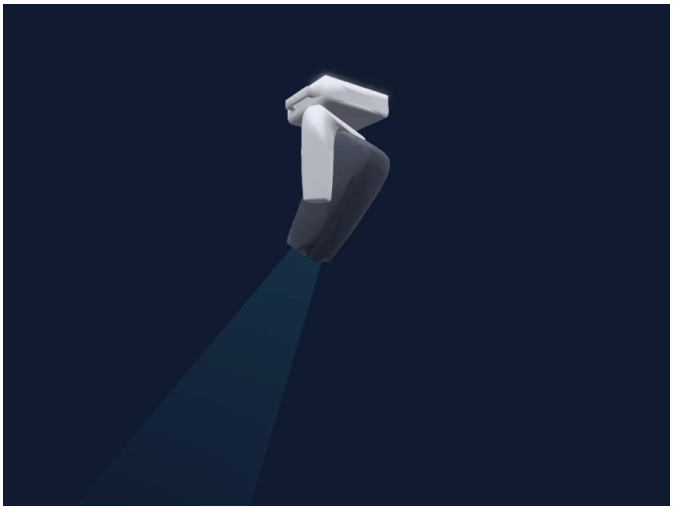
Clay Paky

Ultimo Hybrid



Manufacturer	**Clay Paky**
Type	**Profile spot**
DMX modes	**1**
DMX footprint	**43 channels**
Beam angle	**2-52°**
Pan range	**540°**
Tilt range	**252°**
Size (W × H × D)	**305 × 573 × 282 mm**
GDTF fixture type	**F1599CF5-4C7C-4BF0-9F36-094…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Service functions

DMX modes

Standard 43 ch

Standard

43 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	C TO	0	
5	Color1Mode	0	0–89 Full Color 90–170 Half Color 171–255 Linear Path
6	Color Wheel	0	0–2 Open (wheel slot 1) 3–5 Open/Dark Red (wheel slot 2) 6–8 Dark Red (wheel slot 2) 9–11 Dark Red/CTO 8000-2500K (wheel slot 3) 12–14 CTO 8000-2500K (wheel slot 3) 15–17 CTO 8000-2500K/Blue (wheel slot 4) 18–20 Blue (wheel slot 4) 21–23 Blue/Light Green (wheel slot 5) 24–26 Light Green (wheel slot 5) 27–29 Light Green/Deep Green (wheel slot 6) 30–32 Deep Green (wheel slot 6) 33–35 Deep Green/Aquamarine (wheel slot 7) 36–38 Aquamarine (wheel slot 7) 39–41 Aquamarine/Lavender (wheel slot 8) 42–44 Lavender (wheel slot 8) 45–47 Lavender/Pink (wheel slot 9) 48–50 Pink (wheel slot 9) 51–53 Pink/Deep Blue (wheel slot 10) 54–56 Deep Blue (wheel slot 10) 57–59 Deep Blue/Half Minus Green (wheel slot 11) 60–62 Half Minus Green (wheel slot 11) 63–65 Half Minus Green/Orange (wheel slot 12) 66–68 Orange (wheel slot 12) 69–71 Orange/Deep Orange (wheel slot 13) 72–74 Deep Orange (wheel slot 13) 75–77 Deep Orange/CTB (wheel slot 14) 78–80 CTB (wheel slot 14) 81–83 CTB/UV (wheel slot 15) 84–86 UV (wheel slot 15) 87–89 UV/Open (wheel slot 1) 90–127 CW Slow to Fast 128–254 0 deg 255–255 360 deg
7	Shutter / Strobe	105	0–3 Closed 4–102 Linear Strobe · Slow 1–11.9 Hz (wheel slot 1) 103–103 Linear Strobe · Fast 12 Hz 104–107 Open 108–206 Linear Pulse · Slow 1–11.9 Hz (wheel slot 1) 207–207 Linear Pulse · Fast 12 Hz 208–212 Open 213–225 Random Strobe · Low 1–4.47 Hz (wheel slot 1) 226–238 Random Strobe · Medium 4.76–8.24 Hz 239–251 Random Strobe · High 8.53–12 Hz 252–255 Open
8	Dimmer	0	0–254 Close (wheel slot 1) 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer

Standard (continued)

Ch	Function	Default	DMX values
10	Iris	128	5–127 Min to Max 128–131 Open 1 132–132 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 2
11	Gobo	0	0–3 Open (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–14 Gobo 3 (wheel slot 4) 15–18 Gobo 4 (wheel slot 5) 19–22 Gobo 5 (wheel slot 6) 23–26 Gobo 6 (wheel slot 7) 27–29 Gobo 7 (wheel slot 8) 30–33 Gobo 8 (wheel slot 9) 34–37 Gobo 9 (wheel slot 10) 38–41 Gobo 10 (wheel slot 11) 42–44 Gobo 11 (wheel slot 12) 45–48 Gobo 12 (wheel slot 13) 49–52 Gobo 13 (wheel slot 14) 53–56 Gobo 14 (wheel slot 15) 57–59 Gobo 15 (wheel slot 16) 60–63 Gobo 16 (wheel slot 17) 64–67 Gobo 17 (wheel slot 18) 68–71 Gobo 18 (wheel slot 19) 72–113 Fast to Slow 114–117 Stop 118–159 Slow to Fast 160–165 Gobo 1 (wheel slot 2) 166–170 Gobo 2 (wheel slot 3) 171–175 Gobo 3 (wheel slot 4) 176–181 Gobo 4 (wheel slot 5) 182–186 Gobo 5 (wheel slot 6) 187–191 Gobo 6 (wheel slot 7) 192–196 Gobo 7 (wheel slot 8) 197–202 Gobo 8 (wheel slot 9) 203–207 Gobo 9 (wheel slot 10) 208–212 Gobo 10 (wheel slot 11) 213–218 Gobo 11 (wheel slot 12) 219–223 Gobo 12 (wheel slot 13) 224–228 Gobo 13 (wheel slot 14) 229–233 Gobo 14 (wheel slot 15) 234–239 Gobo 15 (wheel slot 16) 240–244 Gobo 16 (wheel slot 17) 245–249 Gobo 17 (wheel slot 18) 250–255 Gobo 18 (wheel slot 19)
12	Animation Wheel1	0	0–7 Open (wheel slot 1) 8–255 Animation (wheel slot 2)
13	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)

Standard (continued)

Ch	Function	Default	DMX values
14	Gobo 2	0	0–7 Open (wheel slot 1) 8–15 Half Circle (wheel slot 2) 16–23 Plumens (wheel slot 3) 24–31 Fat Line (wheel slot 4) 32–39 Smooth Breakup (wheel slot 5) 40–47 Multiple Moons (wheel slot 6) 48–55 Grid (wheel slot 7) 56–62 Broken Circle (wheel slot 8) 63–71 Small Dots (wheel slot 9) 72–113 Fast to Slow 114–117 Stop 118–159 Slow to Fast 160–171 Half Circle (wheel slot 2) 172–183 Plumens (wheel slot 3) 184–195 Fat Line (wheel slot 4) 196–207 Smooth Breakup (wheel slot 5) 208–219 Multiple Moons (wheel slot 6) 220–231 Grid (wheel slot 7) 232–243 Broken Circle (wheel slot 8) 244–255 Small Dots (wheel slot 9)
15	Gobo Rotation 2	0	0–126 0 127–127 540 128–190 Fast to Slow 191–192 Stop 193–255 Slow to Fast
16	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
17	Prism	0	0–127 Open (wheel slot 1) 128–255 4-Facet Circular Prism (wheel slot 2)
18	Prism Rotation	0	0–126 0 (wheel slot 4) 127–127 540 128–190 CW Fast to Slow (wheel slot 4) 191–192 Stop 193–255 CCW Slow to Fast
19	Prism	0	0–127 Open (wheel slot 1) 128–255 8-Facet Circular Prism (wheel slot 2)
20	Prism Rotation	0	0–126 0 (wheel slot 6) 127–127 540 128–190 CW Fast to Slow (wheel slot 4) 191–192 Stop 193–255 CCW Slow to Fast
21	Frost1	0	0–254 Open (wheel slot 1) 255–255 Frost (wheel slot 2)
22	Zoom	0	0–127 Min (wheel slot 1) 128–254 Home 255–255 Max
23	Focus	0	
24	Focus Fine	0	Fine byte of Focus
25	Zoom Mode	0	0–127 Spot Mode (wheel slot 1) 128–255 Beam Mode (wheel slot 1)
26	Blade1A	0	0–127 Min 1A 128–254 Center 255–255 Max 1A
27	Blade1Rot	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
28	Blade2A	0	0–127 Min 2A 128–254 Center 255–255 Max 2A
29	Blade2Rot	128	0–0 - 30 1–127 -30 - 0 128–128 0 129–254 0 - 30 255–255 30
30	Blade3A	0	0–127 Min 3A 128–254 Center 255–255 Max 3A
31	Blade3Rot	128	0–0 -30 1–127 -30 - 0 128–128 0 129–254 0 - 30 255–255 30
32	Blade4A	0	0–127 MIn 4A 128–254 Center 255–255 Max 4A
33	Blade4Rot	128	0–0 -30 1–127 -30 - 0 128–128 0 129–254 0 - 30 255–255 30
34	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
35	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
36	Shaper Macros Speed	0	0–254 Slow 255–255 Fast
37	Pan	128	
38	Pan Fine	0	Fine byte of Pan
39	Tilt	128	
40	Tilt Fine	0	Fine byte of Tilt

Standard (continued)

Ch	Function	Default	DMX values
41	Control1	0	0–50 Unused Range (wheel slot 1) 51–60 On 61–70 Off 71–80 On 81–90 Off 91–100 0% 101–110 100% 111–120 Normal Speed (wheel slot 1) 121–130 Fast Speed (wheel slot 1) 131–140 Dimmer Range STD (wheel slot 1) 141–150 Dimmer Range Fast 151–155 STD Speed (wheel slot 1) 156–160 Boost Speed (wheel slot 1) 161–170 Display Off (wheel slot 1) 171–180 Display On (wheel slot 1) 181–190 On (wheel slot 1) 191–200 Off (wheel slot 1) 201–210 Standard (wheel slot 1) 211–220 Linear (wheel slot 1) 221–225 Factory (wheel slot 1) 226–230 Customized (wheel slot 1) 231–235 Calibration Set (wheel slot 1) 236–240 Calibration Record (wheel slot 1) 241–245 On (wheel slot 1) 246–250 Off (wheel slot 1) 251–253 0% (wheel slot 1) 254–255 100%
42	Fixture Global Reset	0	0–25 Unused Range 26–76 Effect Reset 77–127 Pan / Tilt Reset 128–255 Fixture Reset
43	Lamp Control	0	0–25 Unused Range (wheel slot 1) 26–100 Lamp Off (wheel slot 1) 101–255 Lamp On