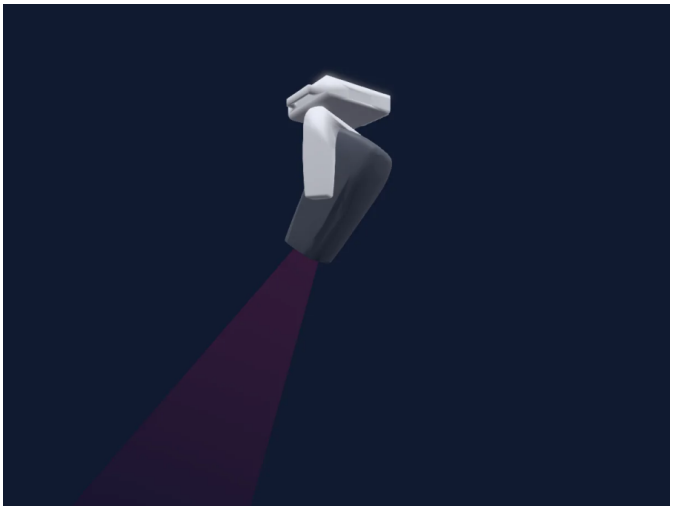
Clay Paky

# Arolla Aqua



| | |
|---|---|
| Manufacturer | **Clay Paky** |
| Type | **Profile spot** |
| DMX modes | **2** |
| DMX footprint | **38, 41 channels** |
| Beam angle | **5-50°** |
| Pan range | **540°** |
| Tilt range | **250°** |
| Size (W × H × D) | **305 × 578 × 282 mm** |
| GDTF fixture type | **8B194390-35D4-4BEA-9F0E-CC…** |

## 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

## DMX modes

| | |
|---|---|
| Standard | 38 ch |
| Extended | 41 ch |

## Standard

38 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Cyan | 0 | 0–254 0%<br>255–255 100% |
| 2 | Magenta | 0 | 0–254 0%<br>255–255 100% |
| 3 | Yellow | 0 | 0–254 0%<br>255–255 100% |
| 4 | C TO | 0 | 0–254 7000K<br>255–255 2500K |
| 5 | Color Wheel | 0 | 0–4 Open (wheel slot 1)<br>5–9 Open/Dark Red (wheel slot 2)<br>10–14 Dark Red (wheel slot 2)<br>15–19 Dark Red/Blue (wheel slot 3)<br>20–24 Blue (wheel slot 3)<br>25–29 Blue/Green (wheel slot 4)<br>30–34 Green (wheel slot 4)<br>35–39 Green/Half Minus Green (wheel slot 5)<br>40–44 Half Minus Green (wheel slot 5)<br>45–49 Half Minus Green/Deep Orange (wheel slot 6)<br>50–54 Deep Orange (wheel slot 6)<br>55–59 Deep Orange/Deep Blue (wheel slot 7)<br>60–64 Deep Blue (wheel slot 7)<br>65–69 Deep Blue/Open (wheel slot 1)<br>70–127 CW Slow to Fast<br>128–254 0 deg<br>255–255 360 deg |
| 6 | Shutter / Strobe | 105 | 0–3 Closed<br>4–102 Linear Strobe · Slow 1–24.8 Hz (wheel slot 1)<br>103–103 Linear Strobe · Fast 25 Hz<br>104–107 Open<br>108–206 Linear Pulse · Slow 1–24.8 Hz (wheel slot 1)<br>207–207 Linear Pulse · Fast 25 Hz<br>208–212 Open<br>213–225 Random · Low Frequency 1 Hz (wheel slot 1)<br>226–238 Random · Medium Frequency 1 Hz<br>239–251 Random · High Frequency 1 Hz<br>252–255 Open |
| 7 | Dimmer | 0 | 0–254 Close (wheel slot 1)<br>255–255 Open |
| 8 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 9 | Iris | 131 | 5–127 Min to Max<br>128–131 Open<br>132–132 Pulse - Slow<br>133–170 Pulse Slow - Fast<br>171–171 Pulse - Fast<br>172–172 Pulse Open Slow<br>173–210 Pulse Open<br>211–211 Pulse open Fast<br>212–212 Pulse Close Slow<br>213–250 Pulse Close Slow to Fast<br>251–251 Pulse Close Fast<br>252–255 Open |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Gobo | 0 | 0–7 Open (wheel slot 1)<br>8–15 Gobo 1 (wheel slot 2)<br>16–23 Gobo 2 (wheel slot 3)<br>24–31 Gobo 3 (wheel slot 4)<br>32–39 Gobo 4 (wheel slot 5)<br>40–47 Gobo 5 (wheel slot 6)<br>48–55 Gobo 6 (wheel slot 7)<br>56–63 Gobo 7 (wheel slot 8)<br>64–71 Gobo 8 (wheel slot 9)<br>72–113 Fast to Slow<br>114–117 Stop<br>118–159 Slow to Fast<br>160–171 Gobo 1 (wheel slot 2)<br>172–183 Gobo 2 (wheel slot 3)<br>184–195 Gobo 3 (wheel slot 4)<br>196–207 Gobo 4 (wheel slot 5)<br>208–219 Gobo 5 (wheel slot 6)<br>220–231 Gobo 6 (wheel slot 7)<br>232–243 Gobo 7 (wheel slot 8)<br>244–255 Gobo 8 (wheel slot 9) |
| **11** | Gobo 2 | 0 | 0–5 Open (wheel slot 1)<br>6–10 Gobo 1 (wheel slot 2)<br>11–15 Gobo 2 (wheel slot 3)<br>16–20 Gobo 3 (wheel slot 4)<br>21–25 Gobo 4 (wheel slot 5)<br>26–30 Gobo 5 (wheel slot 6)<br>31–35 Gobo 6 (wheel slot 7)<br>36–40 Gobo 7 (wheel slot 8)<br>41–55 Gobo 1 (wheel slot 2)<br>56–70 Gobo 2 (wheel slot 3)<br>71–85 Gobo 3 (wheel slot 4)<br>86–100 Gobo 4 (wheel slot 5)<br>101–115 Gobo 5 (wheel slot 6)<br>116–130 Gobo 6 (wheel slot 7)<br>131–145 Gobo 7 (wheel slot 8)<br>146–199 Slow to Fast<br>200–201 Stop<br>202–255 Fast to Slow |
| **12** | Gobo Rotation 2 | 0 | 0–126 0<br>127–127 540<br>128–190 Fast to Slow<br>191–192 Stop<br>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)<br>128–255 4-Facet Circular Prism (wheel slot 2) |
| **15** | Prism Rotation | 0 | 0–126 0 (wheel slot 4)<br>127–127 540<br>128–190 CW Fast to Slow (wheel slot 4)<br>191–192 Stop<br>193–255 CCW Slow to Fast |
| **16** | Animation Wheel1 | 0 | 0–7 Open (wheel slot 1)<br>8–255 Animation (wheel slot 2) |
| **17** | Animation Wheel1Pos Rotate | 0 | 0–3 Stop (wheel slot 2)<br>4–127 CW Slow to Fast (wheel slot 2)<br>128–132 Stop (wheel slot 2)<br>133–255 CCW Slow to Fast (wheel slot 2) |
| **18** | Frost1 | 0 | 0–254 Open (wheel slot 1)<br>255–255 Frost (wheel slot 2) |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **19** | Frost2 | 0 | 0–254 Open (wheel slot 1)<br>255–255 Frost (wheel slot 2) |
| **20** | Focus | 0 | |
| **21** | Zoom | 0 | 0–127 Min (wheel slot 1)<br>128–254 Home<br>255–255 Max |
| **22** | Blade1A | 0 | 0–127 Min 1A<br>128–254 Center<br>255–255 Max 1A |
| **23** | Blade1Rot | 128 | 0–0 +30<br>1–127 +30 < 0<br>128–128 0<br>129–254 0 > -30<br>255–255 -30 |
| **24** | Blade2A | 0 | 0–127 Min 2A<br>128–254 Center<br>255–255 Max 2A |
| **25** | Blade2Rot | 128 | 0–0 +30<br>1–127 +30 < 0<br>128–128 0<br>129–254 0 > -30<br>255–255 -30 |
| **26** | Blade3A | 0 | 0–127 Min 3A<br>128–254 Center<br>255–255 Max 3A |
| **27** | Blade3Rot | 128 | 0–0 +30<br>1–127 +30 < 0<br>128–128 0<br>129–254 0 > -30<br>255–255 -30 |
| **28** | Blade4A | 0 | 0–127 MIn 4A<br>128–254 Center<br>255–255 Max 4A |
| **29** | Blade4Rot | 128 | 0–0 +30<br>1–127 +30 < 0<br>128–128 0<br>129–254 0 > -30<br>255–255 -30 |
| **30** | Shaper Rot | 128 | 0–0 Left<br>1–127 Left - Center<br>128–128 Center<br>129–254 Center - Right<br>255–255 Right |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **31** | Shaper Macros | 0 | 0–3 Off<br>4–11 Macro 1<br>12–18 Macro 2<br>19–25 Macro 3<br>26–32 Macro 4<br>33–39 Macro 5<br>40–47 Macro 6<br>48–54 Macro 7<br>55–61 Macro 8<br>62–68 Macro 9<br>69–75 Macro 10<br>76–82 Macro 11<br>83–90 Macro 12<br>91–97 Macro 13<br>98–104 Macro 14<br>105–111 Macro 15<br>112–118 Macro 16<br>119–125 Macro 17<br>126–133 Macro 18<br>134–140 Macro 19<br>141–147 Macro 20<br>148–154 Macro 21<br>155–161 Macro 22<br>162–168 Macro 23<br>169–176 Macro 24<br>177–183 Macro 25<br>184–190 Macro 26<br>191–197 Macro 27<br>198–204 Macro 28<br>205–211 Macro 29<br>212–219 Macro 30<br>220–226 Macro 31<br>227–233 Macro 32<br>234–240 Macro 33<br>241–247 Macro 34<br>248–255 Macro 35 |
| **32** | Shaper Macros Speed | 0 | 0–254 Slow<br>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<br>26–76 Effect Reset<br>77–127 Pan / Tilt Reset<br>128–255 Fixture Reset |

### Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **38** | Function | 0 | 0–5 No Function (wheel slot 1)<br>6–11 PWM Frequency 600Hz (wheel slot 1)<br>12–17 PWM Frequency 1200Hz (wheel slot 1)<br>18–22 PWM Frequency 2000Hz (wheel slot 1)<br>23–28 PWM Frequency 4000Hz (wheel slot 1)<br>29–34 PWM Frequency 6000Hz (wheel slot 1)<br>35–40 PWM Frequency 20000Hz * (wheel slot 1)<br>41–50 Dimmer Curve 1 *<br>51–60 Dimmer Curve 2<br>61–70 Dimmer Curve 3<br>71–75 Dimmer Curve 4<br>76–80 Dimmer Curve 5<br>81–90 Constant (wheel slot 1)<br>91–100 Auto * (wheel slot 1)<br>101–110 SLN (wheel slot 1)<br>111–120 Theatre (wheel slot 1)<br>121–125 Sunsafe Off*<br>126–130 Sunsafe On<br>131–170 No Function (wheel slot 1)<br>171–180 P/T Smooth Off (wheel slot 1)<br>181–190 P/T Smooth On * (wheel slot 1)<br>191–195 P/T Slow<br>196–200 P/T Med<br>201–205 P/T Fast *<br>206–210 P/T Follow Spot<br>211–215 Z/F Standard* (wheel slot 1)<br>216–220 Z/F Fast<br>221–230 Normal Speed (wheel slot 1)<br>231–240 Fast Speed * (wheel slot 1)<br>241–246 Off * (wheel slot 1)<br>247–252 On<br>253–255 Default Function Recall |

## Extended

41 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Cyan | 0 | 0–254 0%<br>255–255 100% |
| **2** | Magenta | 0 | 0–254 0%<br>255–255 100% |
| **3** | Yellow | 0 | 0–254 0%<br>255–255 100% |
| **4** | C TO | 0 | 0–254 7000K<br>255–255 2500K |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **5** | Color Wheel | 0 | 0–4 Open (wheel slot 1)<br>5–9 Open/Dark Red (wheel slot 2)<br>10–14 Dark Red (wheel slot 2)<br>15–19 Dark Red/Blue (wheel slot 3)<br>20–24 Blue (wheel slot 3)<br>25–29 Blue/Green (wheel slot 4)<br>30–34 Green (wheel slot 4)<br>35–39 Green/Half Minus Green (wheel slot 5)<br>40–44 Half Minus Green (wheel slot 5)<br>45–49 Half Minus Green/Deep Orange (wheel slot 6)<br>50–54 Deep Orange (wheel slot 6)<br>55–59 Deep Orange/Deep Blue (wheel slot 7)<br>60–64 Deep Blue (wheel slot 7)<br>65–69 Deep Blue/Open (wheel slot 1)<br>70–127 CW Slow to Fast<br>128–254 0 deg<br>255–255 360 deg |
| **6** | Shutter / Strobe | 105 | 0–3 Closed<br>4–102 Linear Strobe · Slow 1–24.8 Hz (wheel slot 1)<br>103–103 Linear Strobe · Fast 25 Hz<br>104–107 Open<br>108–206 Linear Pulse · Slow 1–24.8 Hz (wheel slot 1)<br>207–207 Linear Pulse · Fast 25 Hz<br>208–212 Open<br>213–225 Random · Low Frequency 1 Hz (wheel slot 1)<br>226–238 Random · Medium Frequency 1 Hz<br>239–251 Random · High Frequency 1 Hz<br>252–255 Open |
| **7** | Dimmer | 0 | 0–254 Close (wheel slot 1)<br>255–255 Open |
| **8** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **9** | Iris | 131 | 5–127 Min to Max<br>128–131 Open<br>132–132 Pulse - Slow<br>133–170 Pulse Slow - Fast<br>171–171 Pulse - Fast<br>172–172 Pulse Open Slow<br>173–210 Pulse Open<br>211–211 Pulse open Fast<br>212–212 Pulse Close Slow<br>213–250 Pulse Close Slow to Fast<br>251–251 Pulse Close Fast<br>252–255 Open |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Gobo | 0 | 0–7 Open (wheel slot 1)<br>8–15 Gobo 1 (wheel slot 2)<br>16–23 Gobo 2 (wheel slot 3)<br>24–31 Gobo 3 (wheel slot 4)<br>32–39 Gobo 4 (wheel slot 5)<br>40–47 Gobo 5 (wheel slot 6)<br>48–55 Gobo 6 (wheel slot 7)<br>56–63 Gobo 7 (wheel slot 8)<br>64–71 Gobo 8 (wheel slot 9)<br>72–113 Fast to Slow<br>114–117 Stop<br>118–159 Slow to Fast<br>160–171 Gobo 1 (wheel slot 2)<br>172–183 Gobo 2 (wheel slot 3)<br>184–195 Gobo 3 (wheel slot 4)<br>196–207 Gobo 4 (wheel slot 5)<br>208–219 Gobo 5 (wheel slot 6)<br>220–231 Gobo 6 (wheel slot 7)<br>232–243 Gobo 7 (wheel slot 8)<br>244–255 Gobo 8 (wheel slot 9) |
| **11** | Gobo 2 | 0 | 0–5 Open (wheel slot 1)<br>6–10 Gobo 1 (wheel slot 2)<br>11–15 Gobo 2 (wheel slot 3)<br>16–20 Gobo 3 (wheel slot 4)<br>21–25 Gobo 4 (wheel slot 5)<br>26–30 Gobo 5 (wheel slot 6)<br>31–35 Gobo 6 (wheel slot 7)<br>36–40 Gobo 7 (wheel slot 8)<br>41–55 Gobo 1 (wheel slot 2)<br>56–70 Gobo 2 (wheel slot 3)<br>71–85 Gobo 3 (wheel slot 4)<br>86–100 Gobo 4 (wheel slot 5)<br>101–115 Gobo 5 (wheel slot 6)<br>116–130 Gobo 6 (wheel slot 7)<br>131–145 Gobo 7 (wheel slot 8)<br>146–199 Slow to Fast<br>200–201 Stop<br>202–255 Fast to Slow |
| **12** | Gobo Rotation 2 | 0 | 0–126 0<br>127–127 540<br>128–190 Fast to Slow<br>191–192 Stop<br>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)<br>128–255 4-Facet Circular Prism (wheel slot 2) |
| **15** | Prism Rotation | 0 | 0–126 0 (wheel slot 4)<br>127–127 540<br>128–190 CW Fast to Slow (wheel slot 4)<br>191–192 Stop<br>193–255 CCW Slow to Fast |
| **16** | Animation Wheel1 | 0 | 0–7 Open (wheel slot 1)<br>8–255 Animation (wheel slot 2) |
| **17** | Animation Wheel1Pos Rotate | 0 | 0–3 Stop (wheel slot 2)<br>4–127 CW Slow to Fast (wheel slot 2)<br>128–132 Stop (wheel slot 2)<br>133–255 CCW Slow to Fast (wheel slot 2) |
| **18** | Frost1 | 0 | 0–254 Open (wheel slot 1)<br>255–255 Frost (wheel slot 2) |

## Extended (continued)

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

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **33** | Shaper Macros | 0 | 0–3 Off<br>4–11 Macro 1<br>12–18 Macro 2<br>19–25 Macro 3<br>26–32 Macro 4<br>33–39 Macro 5<br>40–47 Macro 6<br>48–54 Macro 7<br>55–61 Macro 8<br>62–68 Macro 9<br>69–75 Macro 10<br>76–82 Macro 11<br>83–90 Macro 12<br>91–97 Macro 13<br>98–104 Macro 14<br>105–111 Macro 15<br>112–118 Macro 16<br>119–125 Macro 17<br>126–133 Macro 18<br>134–140 Macro 19<br>141–147 Macro 20<br>148–154 Macro 21<br>155–161 Macro 22<br>162–168 Macro 23<br>169–176 Macro 24<br>177–183 Macro 25<br>184–190 Macro 26<br>191–197 Macro 27<br>198–204 Macro 28<br>205–211 Macro 29<br>212–219 Macro 30<br>220–226 Macro 31<br>227–233 Macro 32<br>234–240 Macro 33<br>241–247 Macro 34<br>248–255 Macro 35 |
| **34** | Shaper Macros Speed | 0 | 0–254 Slow<br>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<br>26–76 Effect Reset<br>77–127 Pan / Tilt Reset<br>128–255 Fixture Reset |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **40** | Function | 0 | 0–5 No Function (wheel slot 1)<br>6–11 PWM Frequency 600Hz (wheel slot 1)<br>12–17 PWM Frequency 1200Hz (wheel slot 1)<br>18–22 PWM Frequency 2000Hz (wheel slot 1)<br>23–28 PWM Frequency 4000Hz (wheel slot 1)<br>29–34 PWM Frequency 6000Hz (wheel slot 1)<br>35–40 PWM Frequency 20000Hz * (wheel slot 1)<br>41–50 Dimmer Curve 1 *<br>51–60 Dimmer Curve 2<br>61–70 Dimmer Curve 3<br>71–75 Dimmer Curve 4<br>76–80 Dimmer Curve 5<br>81–90 Constant (wheel slot 1)<br>91–100 Auto * (wheel slot 1)<br>101–110 SLN (wheel slot 1)<br>111–120 Theatre (wheel slot 1)<br>121–125 Sunsafe Off*<br>126–130 Sunsafe On<br>131–170 No Function (wheel slot 1)<br>171–180 P/T Smooth Off (wheel slot 1)<br>181–190 P/T Smooth On * (wheel slot 1)<br>191–195 P/T Slow<br>196–200 P/T Med<br>201–205 P/T Fast *<br>206–210 P/T Follow Spot<br>211–215 Z/F Standard* (wheel slot 1)<br>216–220 Z/F Fast<br>221–230 Normal Speed (wheel slot 1)<br>231–240 Fast Speed * (wheel slot 1)<br>241–246 Off * (wheel slot 1)<br>247–252 On<br>253–255 Default Function Recall |
| **41** | Tint | 0 | 0–0 Off<br>1–126 -1/2Green>Neutral<br>127–128 Neutral<br>129–255 Neutral>+1/2Green |