Clay Paky

# Sharpy



| | |
|---|---|
| Manufacturer | **Clay Paky** |
| Type | **Moving head** |
| DMX modes | **2** |
| DMX footprint | **16, 20 channels** |
| Beam angle | **3.8°** |
| Pan range | **540°** |
| Tilt range | **250°** |
| Size (W × H × D) | **221 × 278 × 200 mm** |
| GDTF fixture type | **FB81889F-1992-4A7B-9CCB-41…** |

## Controls

Focus · Frost · Prism · Prism rotation · Colour wheel · Strobe · Dimmer · Movement speed · Gobos

## Safety-relevant functions

Lamp on and off · Fixture reset

## DMX modes

| | |
|---|---|
| Standard | 16 ch |
| Vector | 20 ch |

## Standard

16 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Color Wheel | 0 | 0–4 White->White+Red (wheel slot 1)<br>5–8 White+Red->Red (wheel slot 2)<br>9–12 Red->Red+Orange (wheel slot 2)<br>13–17 Red+Orange->Orange (wheel slot 3)<br>18–21 Orange->Orange+Aquamarine (wheel slot 3)<br>22–25 Orange+Aquamarine->Aquamarine (wheel slot 4)<br>26–29 Aquamarine->Aquamarine+Deep Green (wheel slot 4)<br>30–34 Aquamarine+Deep Green->Deep Green (wheel slot 5)<br>35–38 Deep Green->Deep Green+Light Green (wheel slot 5)<br>39–42 Deep Green+Light Green->Light Green (wheel slot 6)<br>43–46 Light Green->Light Green+Lavender (wheel slot 6)<br>47–51 Light Green+Lavender->Lavender (wheel slot 7)<br>52–55 Lavender->Lavender+Pink (wheel slot 7)<br>56–59 Lavender+Pink->Pink (wheel slot 8)<br>60–63 Pink->Pink+Yellow (wheel slot 8)<br>64–68 Pink+Yellow->Yellow (wheel slot 9)<br>69–72 Yellow->Yellow+Magenta (wheel slot 9)<br>73–76 Yellow+Magenta->Magenta (wheel slot 10)<br>77–81 Magenta->Magenta+Cyan (wheel slot 10)<br>82–85 Magenta+Cyan->Cyan (wheel slot 11)<br>86–89 Cyan->Cyan+CTO 260 (wheel slot 11)<br>90–93 Cyan+CTO 260->CTO 260 (wheel slot 12)<br>94–98 CTO 260->CTO 260+CTO 190 (wheel slot 12)<br>99–102 CTO 260+CTO 190->CTO 190 (wheel slot 13)<br>103–106 CTO 190->CTO 190+CTB 8000 (wheel slot 13)<br>107–110 CTO 190+CTB 8000->CTB 8000 (wheel slot 14)<br>111–115 CTB 8000->CTB 8000 + Blue (wheel slot 14)<br>116–119 CTB 8000 + Blue->Blue (wheel slot 15)<br>120–123 Blue->Blue+White (wheel slot 15)<br>124–127 Blue+White->White (wheel slot 1)<br>128–255 Slow to Fast |
| **2** | Shutter / Strobe | 105 | 0–3 Closed<br>4–103 Linear Strobe · Slow To Fast 1–12 Hz (wheel slot 1)<br>104–107 Open (wheel slot 1)<br>108–207 Pulse Strobe · Slow To Fast 30–360 Hz (wheel slot 1)<br>208–212 Open (wheel slot 1)<br>213–225 Random Strobe · Slow 1–4.47 Hz (wheel slot 1)<br>226–238 Random Strobe · Medium 4.76–8.24 Hz<br>239–251 Random Strobe · Fast 8.53–12 Hz<br>252–255 Open (wheel slot 1) |
| **3** | Dimmer | 0 | 0–254 0% (wheel slot 1)<br>255–255 100% |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **4** | Gobo | 0 | 0–3 Open (wheel slot 1)<br>4–7 Beam 1 (wheel slot 2)<br>8–11 Beam 2 (wheel slot 3)<br>12–15 Beam 3 (wheel slot 4)<br>16–19 Beam 4 (wheel slot 5)<br>20–23 Beam 5 (wheel slot 6)<br>24–27 Beam 6 (wheel slot 7)<br>28–31 Sharpy G07 (wheel slot 8)<br>32–35 Sharpy G08 (wheel slot 9)<br>36–39 Sharpy G09 (wheel slot 10)<br>40–43 Sharpy G10 (wheel slot 11)<br>44–47 Sharpy G11 (wheel slot 12)<br>48–51 Sharpy G12 (wheel slot 13)<br>52–55 Sharpy G13 (wheel slot 14)<br>56–59 Sharpy G14 (wheel slot 15)<br>60–63 Sharpy G15 (wheel slot 16)<br>64–67 Sharpy G16 (wheel slot 17)<br>68–71 Sharpy G17 (wheel slot 18)<br>72–113 Fast to Slow<br>114–117 Stop<br>118–159 Slow to Fast<br>160–166 Beam 2 (wheel slot 3)<br>167–172 Beam 3 (wheel slot 4)<br>173–179 Beam 4 (wheel slot 5)<br>180–185 Beam 5 (wheel slot 6)<br>186–191 Beam 6 (wheel slot 7)<br>192–198 Sharpy G07 (wheel slot 8)<br>199–204 Sharpy G08 (wheel slot 9)<br>205–211 Sharpy G09 (wheel slot 10)<br>212–217 Sharpy G10 (wheel slot 11)<br>218–223 Sharpy G11 (wheel slot 12)<br>224–230 Sharpy G12 (wheel slot 13)<br>231–236 Sharpy G13 (wheel slot 14)<br>237–243 Sharpy G14 (wheel slot 15)<br>244–249 Sharpy G15 (wheel slot 16)<br>250–255 Sharpy G16 (wheel slot 17) |
| **5** | Prism | 0 | 0–127 Open (wheel slot 1)<br>128–255 Prism Inserted (wheel slot 2) |
| **6** | Prism Rotation | 0 | 0–126 Position 0 (wheel slot 3)<br>127–127 Position 540 (wheel slot 3)<br>128–190 Fast To Slow (wheel slot 3)<br>191–192 Stop<br>193–255 Slow To Fast |
| **7** | Effects1Pos | 0 | |
| **8** | Frost1 | 1 | 0–254 Excluded<br>255–255 Inserted |
| **9** | Focus | 0 | 0–254 Distant (wheel slot 1)<br>255–255 Near |
| **10** | Pan | 128 | |
| **11** | Pan Fine | 0 | Fine byte of Pan |
| **12** | Tilt | 128 | |
| **13** | Tilt Fine | 0 | Fine byte of Tilt |
| **14** | Function | 0 | 0–11 Unused Range<br>12–24 Fast (wheel slot 1)<br>25–37 Normal (wheel slot 1)<br>38–50 Conventional (wheel slot 1)<br>51–62 Linear (wheel slot 1)<br>63–255 Free |

### Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Fixture Global Reset | 0 | 0–25 Unused Range<br>26–76 Effects Reset<br>77–127 Pan/Tilt Reset<br>128–255 Complete Reset |
| **16** | Lamp Control | 0 | 0–25 Unused Range<br>26–100 Lamp Off (wheel slot 1)<br>101–255 Lamp On |

## Vector

20 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Color Wheel | 0 | 0–4 White->White+Red (wheel slot 1)<br>5–8 White+Red->Red (wheel slot 2)<br>9–12 Red->Red+Orange (wheel slot 2)<br>13–17 Red+Orange->Orange (wheel slot 3)<br>18–21 Orange->Orange+Aquamarine (wheel slot 3)<br>22–25 Orange+Aquamarine->Aquamarine (wheel slot 4)<br>26–29 Aquamarine->Aquamarine+Deep Green (wheel slot 4)<br>30–34 Aquamarine+Deep Green->Deep Green (wheel slot 5)<br>35–38 Deep Green->Deep Green+Light Green (wheel slot 5)<br>39–42 Deep Green+Light Green->Light Green (wheel slot 6)<br>43–46 Light Green->Light Green+Lavender (wheel slot 6)<br>47–51 Light Green+Lavender->Lavender (wheel slot 7)<br>52–55 Lavender->Lavender+Pink (wheel slot 7)<br>56–59 Lavender+Pink->Pink (wheel slot 8)<br>60–63 Pink->Pink+Yellow (wheel slot 8)<br>64–68 Pink+Yellow->Yellow (wheel slot 9)<br>69–72 Yellow->Yellow+Magenta (wheel slot 9)<br>73–76 Yellow+Magenta->Magenta (wheel slot 10)<br>77–81 Magenta->Magenta+Cyan (wheel slot 10)<br>82–85 Magenta+Cyan->Cyan (wheel slot 11)<br>86–89 Cyan->Cyan+CTO 260 (wheel slot 11)<br>90–93 Cyan+CTO 260->CTO 260 (wheel slot 12)<br>94–98 CTO 260->CTO 260+CTO 190 (wheel slot 12)<br>99–102 CTO 260+CTO 190->CTO 190 (wheel slot 13)<br>103–106 CTO 190->CTO 190+CTB 8000 (wheel slot 13)<br>107–110 CTO 190+CTB 8000->CTB 8000 (wheel slot 14)<br>111–115 CTB 8000->CTB 8000 + Blue (wheel slot 14)<br>116–119 CTB 8000 + Blue->Blue (wheel slot 15)<br>120–123 Blue->Blue+White (wheel slot 15)<br>124–127 Blue+White->White (wheel slot 1)<br>128–255 Slow to Fast |
| **2** | Shutter / Strobe | 105 | 0–3 Closed<br>4–103 Linear Strobe · Slow To Fast 1–12 Hz (wheel slot 1)<br>104–107 Open (wheel slot 1)<br>108–207 Pulse Strobe · Slow To Fast 30–360 Hz (wheel slot 1)<br>208–212 Open (wheel slot 1)<br>213–225 Random Strobe · Slow 1–4.47 Hz (wheel slot 1)<br>226–238 Random Strobe · Medium 4.76–8.24 Hz<br>239–251 Random Strobe · Fast 8.53–12 Hz<br>252–255 Open (wheel slot 1) |
| **3** | Dimmer | 0 | 0–254 0% (wheel slot 1)<br>255–255 100% |

## Vector (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **4** | Gobo | 0 | 0–3 Open (wheel slot 1)<br>4–7 Beam 1 (wheel slot 2)<br>8–11 Beam 2 (wheel slot 3)<br>12–15 Beam 3 (wheel slot 4)<br>16–19 Beam 4 (wheel slot 5)<br>20–23 Beam 5 (wheel slot 6)<br>24–27 Beam 6 (wheel slot 7)<br>28–31 Sharpy G07 (wheel slot 8)<br>32–35 Sharpy G08 (wheel slot 9)<br>36–39 Sharpy G09 (wheel slot 10)<br>40–43 Sharpy G10 (wheel slot 11)<br>44–47 Sharpy G11 (wheel slot 12)<br>48–51 Sharpy G12 (wheel slot 13)<br>52–55 Sharpy G13 (wheel slot 14)<br>56–59 Sharpy G14 (wheel slot 15)<br>60–63 Sharpy G15 (wheel slot 16)<br>64–67 Sharpy G16 (wheel slot 17)<br>68–71 Sharpy G17 (wheel slot 18)<br>72–113 Fast to Slow<br>114–117 Stop<br>118–159 Slow to Fast<br>160–166 Beam 2 (wheel slot 3)<br>167–172 Beam 3 (wheel slot 4)<br>173–179 Beam 4 (wheel slot 5)<br>180–185 Beam 5 (wheel slot 6)<br>186–191 Beam 6 (wheel slot 7)<br>192–198 Sharpy G07 (wheel slot 8)<br>199–204 Sharpy G08 (wheel slot 9)<br>205–211 Sharpy G09 (wheel slot 10)<br>212–217 Sharpy G10 (wheel slot 11)<br>218–223 Sharpy G11 (wheel slot 12)<br>224–230 Sharpy G12 (wheel slot 13)<br>231–236 Sharpy G13 (wheel slot 14)<br>237–243 Sharpy G14 (wheel slot 15)<br>244–249 Sharpy G15 (wheel slot 16)<br>250–255 Sharpy G16 (wheel slot 17) |
| **5** | Prism | 0 | 0–127 Open (wheel slot 1)<br>128–255 Prism Inserted (wheel slot 2) |
| **6** | Prism Rotation | 0 | 0–126 Position 0 (wheel slot 3)<br>127–127 Position 540 (wheel slot 3)<br>128–190 Fast To Slow (wheel slot 3)<br>191–192 Stop<br>193–255 Slow To Fast |
| **7** | Effects1Pos | 0 | |
| **8** | Frost1 | 1 | 0–254 Excluded<br>255–255 Inserted |
| **9** | Focus | 0 | 0–254 Distant (wheel slot 1)<br>255–255 Near |
| **10** | Pan | 128 | |
| **11** | Pan Fine | 0 | Fine byte of Pan |
| **12** | Tilt | 128 | |
| **13** | Tilt Fine | 0 | Fine byte of Tilt |
| **14** | Function | 0 | 0–11 Unused Range<br>12–24 Fast (wheel slot 1)<br>25–37 Normal (wheel slot 1)<br>38–50 Conventional (wheel slot 1)<br>51–62 Linear (wheel slot 1)<br>63–255 Free |

## Vector (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Fixture Global Reset | 0 | 0–76 Effects Reset<br>77–127 Pan/Tilt Reset<br>128–255 Complete Reset |
| **16** | Lamp Control | 0 | 0–25 Unused Range<br>26–100 Lamp Off (wheel slot 1)<br>101–255 Lamp On |
| **17** | Position MSpeed | 0 | |
| **18** | Color Wheel Select MSpeed | 0 | |
| **19** | Beam Time | 0 | |
| **20** | Gobo Time | 0 | |