Krypton

# B80



| | |
|---|---|
| Manufacturer | **Krypton** |
| Type | **Moving head** |
| DMX modes | **2** |
| DMX footprint | **17, 20 channels** |
| Beam angle | **2°** |
| Pan range | **540°** |
| Tilt range | **250°** |
| Size (W × H × D) | **155 × 276 × 189 mm** |
| GDTF fixture type | **A7866E8A-8069-4DCA-A796-D0…** |

## Controls

Focus · Frost · Prism · Prism rotation · Colour wheel · Dimmer · Gobos

## Safety-relevant functions

Fixture reset

## DMX modes

| | |
|---|---|
| Basic | 17 ch |
| Standard | 20 ch |

## Basic

17 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 128 | |
| **2** | Tilt | 128 | |
| **3** | Pan Rotate | 0 | 0–127 NO Function<br>128–189 CW Pan Fast to Slow<br>190–193 Stop<br>194–255 CCW Pan Slow to Fast |
| **4** | Tilt Rotate | 0 | 0–127 NO Function<br>128–189 CW Tilt Fast to Slow<br>190–193 No rotation<br>194–255 CCW Tilt Slow to Slow |
| **5** | Color Wheel | 0 | 0–4 open (wheel slot 1)<br>5–11 Open/Red (wheel slot 15)<br>12–18 Red (wheel slot 2)<br>19–25 Red/Lt Blue (wheel slot 16)<br>26–32 Light Blue (wheel slot 3)<br>33–39 Blue/Yellow (wheel slot 17)<br>40–46 Yellow (wheel slot 4)<br>47–53 Yellow/Magenta (wheel slot 18)<br>54–60 Magenta (wheel slot 5)<br>61–67 Magenta/Green (wheel slot 19)<br>68–74 Green (wheel slot 6)<br>75–81 Green/Purple (wheel slot 20)<br>82–88 Purple (wheel slot 7)<br>89–95 Purple/Cyan (wheel slot 21)<br>96–102 Cyan (wheel slot 8)<br>103–109 Cyan/Orange (wheel slot 22)<br>110–116 Orange (wheel slot 9)<br>117–123 Orange/Lime (wheel slot 23)<br>124–130 Lime (wheel slot 10)<br>131–137 Lime/Pink (wheel slot 24)<br>138–144 Pink (wheel slot 11)<br>145–151 Pink/Amber (wheel slot 25)<br>152–158 Amber (wheel slot 12)<br>159–165 Amber/CTO (wheel slot 26)<br>166–172 CTO (wheel slot 13)<br>173–179 CTO/Blue (wheel slot 27)<br>180–186 Blue (wheel slot 14)<br>187–199 Blue/White (wheel slot 28)<br>200–226 CW Spin Fast to Slow<br>227–228 Stop<br>229–255 CCW Spin Slow to Fast |

## Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Gobo | 0 | 0–5 Open (wheel slot 1)<br>6–10 gobo 1 1 (wheel slot 2)<br>11–14 gobo 1 2 (wheel slot 3)<br>15–18 gobo 1 3 (wheel slot 4)<br>19–22 gobo 1 4 (wheel slot 5)<br>23–26 gobo 1 5 (wheel slot 6)<br>27–30 gobo 1 6 (wheel slot 7)<br>31–34 gobo 1 7 (wheel slot 8)<br>35–38 gobo 1 8 (wheel slot 9)<br>39–42 gobo 1 9 (wheel slot 10)<br>43–46 gobo 1 10 (wheel slot 11)<br>47–50 gobo 1 11 (wheel slot 12)<br>51–54 gobo 1 12 (wheel slot 13)<br>55–58 gobo 1 13 (wheel slot 14)<br>59–62 gobo 1 14 (wheel slot 15)<br>63–63 gobo 1 15 (wheel slot 1)<br>64–73 FixedGobo 1 shake (wheel slot 2)<br>74–83 FixedGobo 2 shake (wheel slot 3)<br>84–93 FixedGobo 3 shake (wheel slot 4)<br>94–103 FixedGobo 4 shake (wheel slot 5)<br>104–113 FixedGobo 5 shake (wheel slot 6)<br>114–123 FixedGobo 6 shake (wheel slot 7)<br>124–133 FixedGobo 7 shake (wheel slot 8)<br>134–143 FixedGobo 8 shake (wheel slot 9)<br>144–153 FixedGobo 9 shake (wheel slot 10)<br>154–163 FixedGobo 10 shake (wheel slot 11)<br>164–173 FixedGobo 11 shake (wheel slot 12)<br>174–183 FixedGobo 12 shake (wheel slot 13)<br>184–193 FixedGobo 13 shake (wheel slot 14)<br>194–203 FixedGobo 14 shake (wheel slot 15)<br>204–211 FixedGobo 15 shake (wheel slot 1)<br>212–232 Clockwise from fast to slow<br>233–234 Stop<br>235–255 Counter-clockwise from slow to fast |
| **7** | Prism | 0 | 0–31 Open (wheel slot 1)<br>32–255 8 Facet Prism (wheel slot 2) |
| **8** | Prism Rotation | 0 | 0–127 Prism1 Index<br>128–189 CW Rotation Fast to Slow<br>190–193 No rotation<br>194–255 CCW Rotation Slow to Fast |
| **9** | Prism | 0 | 0–31 Open (wheel slot 1)<br>32–255 6 Facet Prism (wheel slot 2) |
| **10** | Prism Rotation | 0 | 0–127 Prism2 Index<br>128–189 CW Rotation Fast to Slow<br>190–193 No rotation<br>194–255 CCW Rotation Slow to Fast |
| **11** | Shutter1Strobe | 96 | 0–31 Close<br>32–63 Open<br>64–94 Strobe Min<br>95–95 Strobe HIGH<br>104–127 Open<br>128–159 Ramp Up Slow to Fast<br>160–191 Open<br>192–223 Random Strobe Slow to Fast<br>252–255 Open |
| **12** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **13** | Focus | 0 | |
| **14** | Frost1 | 0 | |

### Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to Unit Setting |
| **16** | Pan Tilt Mode | 0 | 0–225 P/T Speed<br>226–235 Blink On Move<br>236–255 Idle |
| **17** | Control2 | 0 | 0–69 Idle<br>70–79 P/T Reset<br>80–89 Reset All<br>90–99 Idle<br>100–119 Program 1<br>120–139 Program 2<br>140–159 Program 3<br>160–179 Program 4<br>180–199 Program 5<br>200–219 Program 6<br>220–239 Program 7<br>240–255 Idle |

## Standard

20 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 128 | |
| **2** | Pan Fine | 0 | Fine byte of Pan |
| **3** | Tilt | 128 | |
| **4** | Tilt Fine | 0 | Fine byte of Tilt |
| **5** | Pan Rotate | 0 | 0–127 NO Function<br>128–189 Pan clockwise from fast to slow<br>190–193 No rotation<br>194–255 Pan counter-clockwise from slow to fast |
| **6** | Tilt Rotate | 0 | 0–127 NO Function<br>128–189 CW Tilt Fast to Slow<br>190–193 Stop<br>194–255 CCW Tilt Slow to Fast |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | Color Wheel | 0 | 0–4 open (wheel slot 1)<br>5–11 Open/Red (wheel slot 15)<br>12–18 Red (wheel slot 2)<br>19–25 Red/Lt Blue (wheel slot 16)<br>26–32 Light Blue (wheel slot 3)<br>33–39 Blue/Yellow (wheel slot 17)<br>40–46 Yellow (wheel slot 4)<br>47–53 Yellow/Magenta (wheel slot 18)<br>54–60 Magenta (wheel slot 5)<br>61–67 Magenta/Green (wheel slot 19)<br>68–74 Green (wheel slot 6)<br>75–81 Green/Purple (wheel slot 20)<br>82–88 Purple (wheel slot 7)<br>89–95 Purple/Cyan (wheel slot 21)<br>96–102 Cyan (wheel slot 8)<br>103–109 Cyan/Orange (wheel slot 22)<br>110–116 Orange (wheel slot 9)<br>117–123 Orange/Lime (wheel slot 23)<br>124–130 Lime (wheel slot 10)<br>131–137 Lime/Pink (wheel slot 24)<br>138–144 Pink (wheel slot 11)<br>145–151 Pink/Amber (wheel slot 25)<br>152–158 Amber (wheel slot 12)<br>159–165 Amber/CTO (wheel slot 26)<br>166–172 CTO (wheel slot 13)<br>173–179 CTO/Blue (wheel slot 27)<br>180–186 Blue (wheel slot 14)<br>187–199 Blue/White (wheel slot 28)<br>200–226 CW Spin Fast to Slow<br>227–228 Stop<br>229–255 CCW Spin Slow to Fast |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Gobo | 0 | 0–5 Open (wheel slot 1)<br>6–10 gobo 1 1 (wheel slot 2)<br>11–14 gobo 1 2 (wheel slot 3)<br>15–18 gobo 1 3 (wheel slot 4)<br>19–22 gobo 1 4 (wheel slot 5)<br>23–26 gobo 1 5 (wheel slot 6)<br>27–30 gobo 1 6 (wheel slot 7)<br>31–34 gobo 1 7 (wheel slot 8)<br>35–38 gobo 1 8 (wheel slot 9)<br>39–42 gobo 1 9 (wheel slot 10)<br>43–46 gobo 1 10 (wheel slot 11)<br>47–50 gobo 1 11 (wheel slot 12)<br>51–54 gobo 1 12 (wheel slot 13)<br>55–58 gobo 1 13 (wheel slot 14)<br>59–62 gobo 1 14 (wheel slot 15)<br>63–63 gobo 1 15 (wheel slot 1)<br>64–73 FixedGobo 1 shake (wheel slot 2)<br>74–83 FixedGobo 2 shake (wheel slot 3)<br>84–93 FixedGobo 3 shake (wheel slot 4)<br>94–103 FixedGobo 4 shake (wheel slot 5)<br>104–113 FixedGobo 5 shake (wheel slot 6)<br>114–123 FixedGobo 6 shake (wheel slot 7)<br>124–133 FixedGobo 7 shake (wheel slot 8)<br>134–143 FixedGobo 8 shake (wheel slot 9)<br>144–153 FixedGobo 9 shake (wheel slot 10)<br>154–163 FixedGobo 10 shake (wheel slot 11)<br>164–173 FixedGobo 11 shake (wheel slot 12)<br>174–183 FixedGobo 12 shake (wheel slot 13)<br>184–193 FixedGobo 13 shake (wheel slot 14)<br>194–203 FixedGobo 14 shake (wheel slot 15)<br>204–211 FixedGobo 15 shake (wheel slot 1)<br>212–232 Clockwise from fast to slow<br>233–234 Stop<br>235–255 Counter-clockwise from slow to fast |
| **9** | Prism | 0 | 0–31 Open (wheel slot 1)<br>32–255 8 Facet Prism (wheel slot 2) |
| **10** | Prism Rotation | 0 | 0–127 Prism1 Index<br>128–189 CW Rotation Fast to Slow<br>190–193 No rotation<br>194–255 CCW Rotation Slow to Fast |
| **11** | Prism | 0 | 0–31 Open (wheel slot 1)<br>32–255 6 Facet Prism (wheel slot 2) |
| **12** | Prism Rotation | 0 | 0–127 Prism 2 Index<br>128–189 CW Rotation Fast to Slow<br>190–193 No rotation<br>194–255 CCW Rotation Slow to Fast |
| **13** | Shutter1Strobe | 96 | 0–31 Close<br>32–63 Open<br>64–94 Strobe Min<br>95–95 Strobe HIGH<br>104–127 Open<br>128–159 Ramp Up Slow to Fast<br>160–191 Open<br>192–223 Random Strobe Slow to Fast<br>252–255 Open |
| **14** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **15** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **16** | Focus | 0 | |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **17** | Frost1 | 0 | |
| **18** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to Unit Setting |
| **19** | Pan Tilt Mode | 0 | 0–225 P/T Speed<br>226–235 Blink On Move<br>236–255 Idle |
| **20** | Control2 | 0 | 0–69 Idle<br>70–79 P/T Reset<br>80–89 Reset All<br>90–99 Idle<br>100–119 Program 1<br>120–139 Program 2<br>140–159 Program 3<br>160–179 Program 4<br>180–199 Program 5<br>200–219 Program 6<br>220–239 Program 7<br>240–255 Idle |