OGSON fixtures

# Robe Robin 800



| | |
|---|---|
| Manufacturer | **OGSON fixtures** |
| Type | **Moving head** |
| DMX modes | **6** |
| DMX footprint | **11, 16, 22, 37, 38 channels** |
| Beam angle | **8-63°** |
| Pan range | **450°** |
| Tilt range | **300°** |
| Heads / cells | **3** |
| Size (W × H × D) | **274 × 161 × 273 mm** |
| GDTF fixture type | **0FC69032-6782-499E-9074-D5…** |

## Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

## Safety-relevant functions

Fixture reset

## DMX modes

| | |
|---|---|
| Mode 4 Limited macro colors 8bit | 11 ch |
| Mode 3 Reduced RGBW 8bit | 16 ch |
| Mode 2 Reduced RGBW 16bit | 22 ch |
| Mode 6 All zones without shaper 16bit | 37 ch |
| Mode 1 Extended with all zones 16bit | 38 ch |
| Mode 5 Extended all zones at the end 16bit | 38 ch |

## Mode 4 Limited macro colors 8bit

11 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 | Position MSpeed | 0 | 0–0 Standard mode<br>1–1 Max speed time<br>2–255 Speed/Time max to min |
| 6 | Control1 | 0 | 0–9 No function<br>10–14 Wired DMX<br>15–19 Wireless DMX<br>20–29 NoFeature 1<br>30–39 RGBW<br>40–49 CMY<br>50–59 P/T speed mode<br>60–69 P/T time mode<br>70–79 Blackout while P/T moving: ON<br>80–89 Blackout while P/T moving: OFF<br>90–99 Theatre mode ON<br>100–109 Theatre mode OFF<br>110–114 Zoom mode: Wash<br>115–119 Zoom mode: Beam<br>120–124 Compatibility ON<br>125–129 Compatibility OFF<br>130–139 NoFeature 2<br>140–149 P/T reset<br>150–179 NoFeature 3<br>180–189 Zoom/Beam shaper reset<br>190–199 NoFeature 4<br>200–209 Total reset<br>210–239 NoFeature 5<br>240–240 Disabled Quiet mode<br>241–255 Quiet mode min to max |

## Mode 4 Limited macro colors 8bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 Open (wheel slot 1)<br>1–1 White 2700 K (wheel slot 2)<br>2–2 White 2700 K (wheel slot 3)<br>3–3 White 2700 K (Halogen lamp mode) (wheel slot 4)<br>4–4 White 3200 K (wheel slot 5)<br>5–5 White 2700 K (wheel slot 6)<br>6–6 White 3200 K (Halogen lamp mode) (wheel slot 7)<br>7–7 White 4200 K (wheel slot 8)<br>8–8 White 4200 K (wheel slot 9)<br>9–9 White 4200 K (wheel slot 10)<br>10–10 White 5600 K (wheel slot 11)<br>11–11 White 4200 K (wheel slot 12)<br>12–12 White 4200 K (wheel slot 13)<br>13–13 White 8000 K (wheel slot 14)<br>14–14 White 8000 K (wheel slot 15)<br>15–15 White 8000 K (wheel slot 16)<br>16–16 Blue (wheel slot 17)<br>17–17 Blue + Green >> 00 (wheel slot 18)<br>18–18 Blue + Green >> 01 (wheel slot 19)<br>19–19 Blue + Green >> 02 (wheel slot 20)<br>20–20 Blue + Green >> 03 (wheel slot 21)<br>21–21 Blue + Green >> 04 (wheel slot 22)<br>22–22 Blue + Green >> 05 (wheel slot 23)<br>23–23 Blue + Green >> 06 (wheel slot 24)<br>24–24 Blue + Green >> 07 (wheel slot 25)<br>25–25 Blue + Green >> 08 (wheel slot 26)<br>26–26 Blue + Green >> 09 (wheel slot 27)<br>27–27 Blue + Green >> 10 (wheel slot 28)<br>28–28 Blue + Green >> 11 (wheel slot 29)<br>29–29 Blue + Green >> 12 (wheel slot 30)<br>30–30 Blue + Green >> 13 (wheel slot 31)<br>31–31 Blue + Green >> 14 (wheel slot 32)<br>32–32 Blue + Green >> 15 (wheel slot 33)<br>33–33 Blue + Green >> 16 (wheel slot 34)<br>34–34 Blue + Green >> 17 (wheel slot 35)<br>35–35 Blue + Green >> 18 (wheel slot 36)<br>36–36 Blue + Green >> 19 (wheel slot 37)<br>37–37 Blue + Green >> 20 (wheel slot 38)<br>38–38 Blue + Green >> 21 (wheel slot 39)<br>39–39 Blue + Green >> 22 (wheel slot 40)<br>40–40 Blue + Green >> 23 (wheel slot 41)<br>41–41 Blue + Green >> 24 (wheel slot 42)<br>42–42 Blue + Green >> 25 (wheel slot 43)<br>43–43 Blue + Green >> 26 (wheel slot 44)<br>44–44 Blue + Green >> 27 (wheel slot 45)<br>45–45 Blue + Green >> 28 (wheel slot 46)<br>46–46 Blue + Green >> 29 (wheel slot 47)<br>47–47 Blue + Green >> 30 (wheel slot 48)<br>48–48 Blue + Green >> 31 (wheel slot 49)<br>49–49 Blue + Green >> 32 (wheel slot 50)<br>50–50 Blue + Green >> 33 (wheel slot 51)<br>51–51 Blue + Green >> 34 (wheel slot 52)<br>52–52 Blue + Green >> 35 (wheel slot 53)<br>53–53 Blue + Green >> 36 (wheel slot 54)<br>54–54 Blue + Green >> 37 (wheel slot 55)<br>55–55 Blue + Green >> 38 (wheel slot 56)<br>56–56 LightBlue (wheel slot 57)<br>57–57 Green + Blue << 00 (wheel slot 58)<br>58–58 Green + Blue << 01 (wheel slot 59)<br>59–59 Green + Blue << 02 (wheel slot 60)<br>60–60 Green + Blue << 03 (wheel slot 61)<br>61–61 Green + Blue << 04 (wheel slot 62)<br>62–62 Green + Blue << 05 (wheel slot 63)<br>63–63 Green + Blue << 06 (wheel slot 64) |

### Mode 4 Limited macro colors 8bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Beam Shaper | 0 | 0–127 Beam Shaper indexing<br>128–191 Forwards rotation from fast to slow<br>192–255 Backwards rotation from slow to fast |
| **9** | Zoom | 128 | 0–254 narrow<br>255–255 wide |
| **10** | Shutter / Strobe | 255 | 0–31 Shutter closed<br>32–45 StrobeZone 3 · str > 0.303–8.65 Hz<br>46–62 StrobeZone 3 · str >> 9.29–19.6 Hz<br>63–63 StrobeZone 3 · str >>> 20.2 Hz<br>64–74 StrobeAllZones 1 · str > 0.303–6.72 Hz<br>75–94 StrobeAllZones 1 · str >> 7.36–19.6 Hz<br>95–95 StrobeAllZones 1 · str >>> 20.2 Hz<br>96–111 StrobeEffects · Zone + Rainbow effects slow to fast ...<br>112–127 StrobeEffects · Zone + Rainbow effects fast to slow...<br>128–142 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1...<br>143–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.50...<br>144–158 Shutter1StrobePulseClose · Fast to slow - Slow 0.5...<br>159–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.12...<br>160–167 Random zone · rnd > 0.145–8.13 Hz<br>168–174 Random zone · rnd >> 9.27–16.1 Hz<br>175–175 Random zone · rnd >>> 17.3 Hz<br>176–181 rnd ><br>182–190 rnd >><br>191–191 rnd >>><br>192–199 rnd ><br>200–222 rnd >><br>223–223 rnd >>><br>224–229 rnd ><br>230–238 rnd >><br>239–239 rnd >>><br>240–255 Shutter open |
| **11** | Dimmer | 0 | 0–254 Closed (wheel slot -2147483648)<br>255–255 Open (wheel slot -2147483648) |

## Mode 3 Reduced RGBW 8bit

16 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** | Position MSpeed | 0 | 0–0 Standard mode<br>1–1 Max speed time<br>2–255 Speed/Time max to min |

## Mode 3 Reduced RGBW 8bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Control1 | 0 | 0–9 No function<br>10–14 Wired DMX<br>15–19 Wireless DMX<br>20–29 NoFeature 1<br>30–39 RGBW<br>40–49 CMY<br>50–59 P/T speed mode<br>60–69 P/T time mode<br>70–79 Blackout while P/T moving: ON<br>80–89 Blackout while P/T moving: OFF<br>90–99 Theatre mode ON<br>100–109 Theatre mode OFF<br>110–114 Zoom mode: Wash<br>115–119 Zoom mode: Beam<br>120–124 Compatibility ON<br>125–129 Compatibility OFF<br>130–139 NoFeature 2<br>140–149 P/T reset<br>150–179 NoFeature 3<br>180–189 Zoom/Beam shaper reset<br>190–199 NoFeature 4<br>200–209 Total reset<br>210–239 NoFeature 5<br>240–240 Disabled Quiet mode<br>241–255 Quiet mode min to max |
| **7** | Red | 255 | |
| **8** | Green | 255 | |
| **9** | Blue | 255 | |
| **10** | White | 255 | |
| **11** | C TC | 0 | 0–0 No function<br>1–254 17000K<br>255–255 2700K |
| **12** | Color Macro1 | 0 | |
| **13** | Beam Shaper | 0 | 0–127 Beam Shaper indexing<br>128–191 Forwards rotation from fast to slow<br>192–255 Backwards rotation from slow to fasr |
| **14** | Zoom | 128 | 0–254 narrow<br>255–255 wide |

### Mode 3 Reduced RGBW 8bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Shutter / Strobe | 255 | 0–31 Shutter closed<br>32–45 StrobeZone 3 · str > 0.303–8.65 Hz<br>46–62 StrobeZone 3 · str >> 9.29–19.6 Hz<br>63–63 StrobeZone 3 · str >>> 20.2 Hz<br>64–74 StrobeAllZones 1 · str > 0.303–6.72 Hz<br>75–94 StrobeAllZones 1 · str >> 7.36–19.6 Hz<br>95–95 StrobeAllZones 1 · str >>> 20.2 Hz<br>96–111 StrobeEffects · Zone + Rainbow effects slow to fast ...<br>112–127 StrobeEffects · Zone + Rainbow effects fast to slow...<br>128–142 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1...<br>143–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.50...<br>144–158 Shutter1StrobePulseClose · Fast to slow - Slow 0.5...<br>159–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.12...<br>160–167 Random zone · rnd > 0.145–8.13 Hz<br>168–174 Random zone · rnd >> 9.27–16.1 Hz<br>175–175 Random zone · rnd >>> 17.3 Hz<br>176–181 rnd ><br>182–190 rnd >><br>191–191 rnd >>><br>192–199 rnd ><br>200–222 rnd >><br>223–223 rnd >>><br>224–229 rnd ><br>230–238 rnd >><br>239–239 rnd >>><br>240–255 Shutter open |
| **16** | Dimmer | 0 | 0–254 Closed (wheel slot -2147483648)<br>255–255 Open (wheel slot -2147483648) |

## Mode 2 Reduced RGBW 16bit

22 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** | Position MSpeed | 0 | 0–0 Standard mode<br>1–1 Max speed time<br>2–255 Speed/Time max to min |

## Mode 2 Reduced RGBW 16bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Control1 | 0 | 0–9 No function<br>10–14 Wired DMX<br>15–19 Wireless DMX<br>20–29 NoFeature 1<br>30–39 RGBW<br>40–49 CMY<br>50–59 P/T speed mode<br>60–69 P/T time mode<br>70–79 Blackout while P/T moving: ON<br>80–89 Blackout while P/T moving: OFF<br>90–99 Theatre mode ON<br>100–109 Theatre mode OFF<br>110–114 Zoom mode: Wash<br>115–119 Zoom mode: Beam<br>120–124 Compatibility ON<br>125–129 Compatibility OFF<br>130–139 NoFeature 2<br>140–149 P/T reset<br>150–179 NoFeature 3<br>180–189 Zoom/Beam shaper reset<br>190–199 NoFeature 4<br>200–209 Total reset<br>210–239 NoFeature 5<br>240–240 Disabled Quiet mode<br>241–255 Quiet mode min to max |
| **7** | Red | 255 | |
| **8** | Red Fine | 255 | Fine byte of Red |
| **9** | Green | 255 | |
| **10** | Green Fine | 255 | Fine byte of Green |
| **11** | Blue | 255 | |
| **12** | Blue Fine | 255 | Fine byte of Blue |
| **13** | White | 255 | |
| **14** | White Fine | 255 | Fine byte of White |
| **15** | C TC | 0 | 0–0 No function<br>1–254 17000K<br>255–255 2700K |
| **16** | Color Macro1 | 0 | |
| **17** | Beam Shaper | 0 | 0–127 Beam Shaper indexing<br>128–191 Forwards rotation from fast to slow<br>192–255 Backwards rotation from slow to fast |
| **18** | Zoom | 128 | 0–254 narrow<br>255–255 wide |
| **19** | Zoom Fine | 0 | Fine byte of Zoom |

### Mode 2 Reduced RGBW 16bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Shutter / Strobe | 255 | 0–31 Shutter closed<br>32–45 StrobeZone 3 · str > 0.303–8.65 Hz<br>46–62 StrobeZone 3 · str >> 9.29–19.6 Hz<br>63–63 StrobeZone 3 · str >>> 20.2 Hz<br>64–74 StrobeAllZones 1 · str > 0.303–6.72 Hz<br>75–94 StrobeAllZones 1 · str >> 7.36–19.6 Hz<br>95–95 StrobeAllZones 1 · str >>> 20.2 Hz<br>96–111 StrobeEffects · Zone + Rainbow effects slow to fast ...<br>112–127 StrobeEffects · Zone + Rainbow effects fast to slow...<br>128–142 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1...<br>143–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.50...<br>144–158 Shutter1StrobePulseClose · Fast to slow - Slow 0.5...<br>159–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.12...<br>160–167 Random zone · rnd > 0.145–8.13 Hz<br>168–174 Random zone · rnd >> 9.27–16.1 Hz<br>175–175 Random zone · rnd >>> 17.3 Hz<br>176–181 rnd ><br>182–190 rnd >><br>191–191 rnd >>><br>192–199 rnd ><br>200–222 rnd >><br>223–223 rnd >>><br>224–229 rnd ><br>230–238 rnd >><br>239–239 rnd >>><br>240–255 Shutter open |
| **21** | Dimmer | 0 | 0–254 Closed (wheel slot -2147483648)<br>255–255 Open (wheel slot -2147483648) |
| **22** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Mode 6 All zones without shaper 16bit

37 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** | Position MSpeed | 0 | 0–0 Standard mode<br>1–1 Max speed time<br>2–255 Speed/Time max to min |

## Mode 6 All zones without shaper 16bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 6 | Control1 | 0 | 0–9 No function<br>10–14 Wired DMX<br>15–19 Wireless DMX<br>20–29 NoFeature 1<br>30–39 RGBW<br>40–49 CMY<br>50–59 P/T speed mode<br>60–69 P/T time mode<br>70–79 Blackout while P/T moving: ON<br>80–89 Blackout while P/T moving: OFF<br>90–99 Theatre mode ON<br>100–109 Theatre mode OFF<br>110–114 Zoom mode: Wash<br>115–119 Zoom mode: Beam<br>120–124 Compatibility ON<br>125–129 Compatibility OFF<br>130–139 NoFeature 2<br>140–149 P/T reset<br>150–179 NoFeature 3<br>180–189 Zoom/Beam shaper reset<br>190–199 NoFeature 4<br>200–209 Total reset<br>210–239 NoFeature 5<br>240–240 Disabled Quiet mode<br>241–255 Quiet mode min to max |
| 7 | Red | 255 | |
| 8 | Red Fine | 255 | Fine byte of Red |
| 9 | Green | 255 | |
| 10 | Green Fine | 255 | Fine byte of Green |
| 11 | Blue | 255 | |
| 12 | Blue Fine | 255 | Fine byte of Blue |
| 13 | White | 255 | |
| 14 | White Fine | 255 | Fine byte of White |
| 15 | Red | 255 | |
| 16 | Red Fine | 255 | Fine byte of Red |
| 17 | Green | 255 | |
| 18 | Green Fine | 255 | Fine byte of Green |
| 19 | Blue | 255 | |
| 20 | Blue Fine | 255 | Fine byte of Blue |
| 21 | White | 255 | |
| 22 | White Fine | 255 | Fine byte of White |
| 23 | Red | 255 | |
| 24 | Red Fine | 255 | Fine byte of Red |
| 25 | Green | 255 | |
| 26 | Green Fine | 255 | Fine byte of Green |
| 27 | Blue | 255 | |
| 28 | Blue Fine | 255 | Fine byte of Blue |
| 29 | White | 255 | |
| 30 | White Fine | 255 | Fine byte of White |
| 31 | C TC | 0 | 0–0 No function<br>1–254 17000K<br>255–255 2700K |
| 32 | Color Macro1 | 0 | |

### Mode 6 All zones without shaper 16bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **33** | Zoom | 128 | 0–254 narrow<br>255–255 wide |
| **34** | Zoom Fine | 0 | Fine byte of Zoom |
| **35** | Shutter / Strobe | 255 | 0–31 Shutter closed<br>32–45 StrobeZone 3 · str > 0.303–8.65 Hz<br>46–62 StrobeZone 3 · str >> 9.29–19.6 Hz<br>63–63 StrobeZone 3 · str >>> 20.2 Hz<br>64–74 StrobeAllZones 1 · str > 0.303–6.72 Hz<br>75–94 StrobeAllZones 1 · str >> 7.36–19.6 Hz<br>95–95 StrobeAllZones 1 · str >>> 20.2 Hz<br>96–111 StrobeEffects · Zone + Rainbow effects slow to fast ...<br>112–127 StrobeEffects · Zone + Rainbow effects fast to slow...<br>128–142 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1...<br>143–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.50...<br>144–158 Shutter1StrobePulseClose · Fast to slow - Slow 0.5...<br>159–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.12...<br>160–167 Random zone · rnd > 0.145–8.13 Hz<br>168–174 Random zone · rnd >> 9.27–16.1 Hz<br>175–175 Random zone · rnd >>> 17.3 Hz<br>176–181 rnd ><br>182–190 rnd >><br>191–191 rnd >>><br>192–199 rnd ><br>200–222 rnd >><br>223–223 rnd >>><br>224–229 rnd ><br>230–238 rnd >><br>239–239 rnd >>><br>240–255 Shutter open |
| **36** | Dimmer | 0 | 0–254 Closed (wheel slot -2147483648)<br>255–255 Open (wheel slot -2147483648) |
| **37** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Mode 1 Extended with all zones 16bit

38 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** | Position MSpeed | 0 | 0–0 Standard mode<br>1–254 Max speed time<br>255–255 Min speed time |

## Mode 1 Extended with all zones 16bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 6 | Control1 | 0 | 0–9 No function<br>10–14 Wired DMX<br>15–19 Wireless DMX<br>20–29 NoFeature 1<br>30–39 RGBW<br>40–49 CMY<br>50–59 P/T speed mode<br>60–69 P/T time mode<br>70–79 Blackout while P/T moving: ON<br>80–89 Blackout while P/T moving: OFF<br>90–99 Theatre mode ON<br>100–109 Theatre mode OFF<br>110–114 Zoom mode: Wash<br>115–119 Zoom mode: Beam<br>120–124 Compatibility ON<br>125–129 Compatibility OFF<br>130–139 NoFeature 2<br>140–149 P/T reset<br>150–179 NoFeature 3<br>180–189 Zoom/Beam shaper reset<br>190–199 NoFeature 4<br>200–209 Total reset<br>210–239 NoFeature 5<br>240–240 Disabled Quiet mode<br>241–255 Quiet mode min to max |
| 7 | Red | 255 | |
| 8 | Red Fine | 255 | Fine byte of Red |
| 9 | Green | 255 | |
| 10 | Green Fine | 255 | Fine byte of Green |
| 11 | Blue | 255 | |
| 12 | Blue Fine | 255 | Fine byte of Blue |
| 13 | White | 255 | |
| 14 | White Fine | 255 | Fine byte of White |
| 15 | Red | 255 | |
| 16 | Red Fine | 255 | Fine byte of Red |
| 17 | Green | 255 | |
| 18 | Green Fine | 255 | Fine byte of Green |
| 19 | Blue | 255 | |
| 20 | Blue Fine | 255 | Fine byte of Blue |
| 21 | White | 255 | |
| 22 | White Fine | 255 | Fine byte of White |
| 23 | Red | 255 | |
| 24 | Red Fine | 255 | Fine byte of Red |
| 25 | Green | 255 | |
| 26 | Green Fine | 255 | Fine byte of Green |
| 27 | Blue | 255 | |
| 28 | Blue Fine | 255 | Fine byte of Blue |
| 29 | White | 255 | |
| 30 | White Fine | 255 | Fine byte of White |
| 31 | C TC | 0 | 0–0 No function<br>1–254 17000K<br>255–255 2700K |
| 32 | Color Macro1 | 0 | |

### Mode 1 Extended with all zones 16bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **33** | Beam Shaper | 0 | 0–127 Beam Shaper indexing<br>128–191 Forwards rotation from fast to slow<br>192–255 Backwards rotation from slow to fast |
| **34** | Zoom | 128 | 0–254 narrow<br>255–255 wide |
| **35** | Zoom Fine | 0 | Fine byte of Zoom |
| **36** | Shutter / Strobe | 255 | 0–31 Shutter closed<br>32–45 StrobeZone 3 · str > 0.303–8.65 Hz<br>46–62 StrobeZone 3 · str >> 9.29–19.6 Hz<br>63–63 StrobeZone 3 · str >>> 20.2 Hz<br>64–74 StrobeAllZones 1 · str > 0.303–6.72 Hz<br>75–94 StrobeAllZones 1 · str >> 7.36–19.6 Hz<br>95–95 StrobeAllZones 1 · str >>> 20.2 Hz<br>96–111 StrobeEffects · Zone + Rainbow effects slow to fast ...<br>112–127 StrobeEffects · Zone + Rainbow effects fast to slow...<br>128–142 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1...<br>143–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.50...<br>144–158 Shutter1StrobePulseClose · Fast to slow - Slow 0.5...<br>159–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.12...<br>160–167 Random zone · rnd > 0.145–8.13 Hz<br>168–174 Random zone · rnd >> 9.27–16.1 Hz<br>175–175 Random zone · rnd >>> 17.3 Hz<br>176–181 rnd ><br>182–190 rnd >><br>191–191 rnd >>><br>192–199 rnd ><br>200–222 rnd >><br>223–223 rnd >>><br>224–229 rnd ><br>230–238 rnd >><br>239–239 rnd >>><br>240–255 Shutter open |
| **37** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **38** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Mode 5 Extended all zones at the end 16bit

38 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** | Position MSpeed | 0 | 0–0 Standard mode<br>1–1 Max speed time<br>2–255 Speed/Time max to min |

## Mode 5 Extended all zones at the end 16bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Control1 | 0 | 0–9 No function<br>10–14 Wired DMX<br>15–19 Wireless DMX<br>20–29 NoFeature 1<br>30–39 RGBW<br>40–49 CMY<br>50–59 P/T speed mode<br>60–69 P/T time mode<br>70–79 Blackout while P/T moving: ON<br>80–89 Blackout while P/T moving: OFF<br>90–99 Theatre mode ON<br>100–109 Theatre mode OFF<br>110–114 Zoom mode: Wash<br>115–119 Zoom mode: Beam<br>120–124 Compatibility ON<br>125–129 Compatibility OFF<br>130–139 NoFeature 2<br>140–149 P/T reset<br>150–179 NoFeature 3<br>180–189 Zoom/Beam shaper reset<br>190–199 NoFeature 4<br>200–209 Total reset<br>210–239 NoFeature 5<br>240–240 Disabled Quiet mode<br>241–255 Quiet mode min to max |
| **7** | Zoom | 128 | 0–254 narrow<br>255–255 wide |
| **8** | Zoom Fine | 0 | Fine byte of Zoom |
| **9** | Beam Shaper | 0 | 0–127 Beam Shaper indexing<br>128–191 Forwards rotation from fast to slow<br>192–255 Backwards rotation from slow to fast |
| **10** | Shutter / Strobe | 255 | 0–31 Shutter closed<br>32–45 StrobeZone 3 · str > 0.303–8.65 Hz<br>46–62 StrobeZone 3 · str >> 9.29–19.6 Hz<br>63–63 StrobeZone 3 · str >>> 20.2 Hz<br>64–74 StrobeAllZones 1 · str > 0.303–6.72 Hz<br>75–94 StrobeAllZones 1 · str >> 7.36–19.6 Hz<br>95–95 StrobeAllZones 1 · str >>> 20.2 Hz<br>96–111 StrobeEffects · Zone + Rainbow effects slow to fast ...<br>112–127 StrobeEffects · Zone + Rainbow effects fast to slow...<br>128–142 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1...<br>143–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.50...<br>144–158 Shutter1StrobePulseClose · Fast to slow - Slow 0.5...<br>159–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.12...<br>160–167 Random zone · rnd > 0.145–8.13 Hz<br>168–174 Random zone · rnd >> 9.27–16.1 Hz<br>175–175 Random zone · rnd >>> 17.3 Hz<br>176–181 rnd ><br>182–190 rnd >><br>191–191 rnd >>><br>192–199 rnd ><br>200–222 rnd >><br>223–223 rnd >>><br>224–229 rnd ><br>230–238 rnd >><br>239–239 rnd >>><br>240–255 Shutter open |
| **11** | Dimmer | 0 | 0–254 Closed (wheel slot -2147483648)<br>255–255 Open (wheel slot -2147483648) |
| **12** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Mode 5 Extended all zones at the end 16bit (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 13 | C TC | 0 | 0–0 No function<br>1–254 17000K<br>255–255 2700K |
| 14 | Color Macro1 | 0 | |
| 15 | Red | 255 | |
| 16 | Red Fine | 255 | Fine byte of Red |
| 17 | Green | 255 | |
| 18 | Green Fine | 255 | Fine byte of Green |
| 19 | Blue | 255 | |
| 20 | Blue Fine | 255 | Fine byte of Blue |
| 21 | White | 255 | |
| 22 | White Fine | 255 | Fine byte of White |
| 23 | Red | 255 | |
| 24 | Red Fine | 255 | Fine byte of Red |
| 25 | Green | 255 | |
| 26 | Green Fine | 255 | Fine byte of Green |
| 27 | Blue | 255 | |
| 28 | Blue Fine | 255 | Fine byte of Blue |
| 29 | White | 255 | |
| 30 | White Fine | 255 | Fine byte of White |
| 31 | Red | 255 | |
| 32 | Red Fine | 255 | Fine byte of Red |
| 33 | Green | 255 | |
| 34 | Green Fine | 255 | Fine byte of Green |
| 35 | Blue | 255 | |
| 36 | Blue Fine | 255 | Fine byte of Blue |
| 37 | White | 255 | |
| 38 | White Fine | 255 | Fine byte of White |