JB-Lighting

# P10 Wash HP



| | |
|---|---|
| Manufacturer | **JB-Lighting** |
| Type | **Profile spot** |
| DMX modes | **2** |
| DMX footprint | **37, 56 channels** |
| Beam angle | **12-70°** |
| Pan range | **546.74°** |
| Tilt range | **281.16°** |
| Size (W × H × D) | **255 × 412 × 220 mm** |
| GDTF fixture type | **250339D2-3A62-483C-AB96-EB…** |

## Controls

Focus · Frost · Iris · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

## DMX modes

| | |
|---|---|
| Mode 1 (37 ch) | 37 ch |
| Mode 2 (56 ch) | 56 ch |

## Mode 1 (37 ch)

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 | Control1 | 0 | |
| 6 | Shutter / Strobe | 16 | 0–15 closed<br>16–95 open<br>96–97 StrobePulseOpen · 20Hz 20–18.6 Hz<br>98–99 StrobePulseOpen · 15Hz 17.2–15.7 Hz<br>100–101 StrobePulseOpen · 10Hz 14.3–12.9 Hz<br>102–104 StrobePulseOpen · 5Hz 11.5–8.63 Hz<br>105–109 StrobePulseOpen · 1Hz 7.21–1.52 Hz<br>110–110 StrobePulseOpen · 1/10Hz 0.1 Hz<br>111–111 open (2)<br>112–124 Shutter Fade Effect strobe · fade effect slow 1–18.5…<br>125–125 Shutter Fade Effect strobe · fade effect fast 20 Hz<br>126–126 open (3)<br>127–127 closed (2)<br>128–141 pulse open fast<br>142–142 pulse open slow<br>143–143 open (4)<br>144–157 pulse close fast<br>158–158 pulse close slow<br>159–159 closed (3)<br>160–173 Shutter Fade close strobe · fade close fast 20–1.52 …<br>174–174 Shutter Fade close strobe · fade close slow 0.1 Hz<br>175–175 open (5)<br>176–189 fade open fast<br>190–190 fade open slow<br>191–191 closed (4)<br>192–205 rnd open fast<br>206–206 rnd open slow<br>207–207 open (6)<br>208–221 Shutter Rnd Close strobe · rnd close fast 20–1.52 Hz<br>222–222 Shutter Rnd Close strobe · rnd close slow 0.1 Hz<br>223–223 closed (5)<br>224–238 rnd pulse close fast<br>239–239 open (7)<br>240–254 rnd pulse open fast<br>255–255 open (8) |
| 7 | Dimmer | 0 | 0–24 closed<br>25–50 10%<br>51–63 20%<br>64–75 25%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–190 70%<br>191–203 75%<br>204–229 80%<br>230–254 90%<br>255–255 open |
| 8 | Focus | 128 | |
| 9 | Zoom | 128 | 0–127 narrow<br>128–254 medium<br>255–255 wide |

## Mode 1 (37 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Focus1Distance | 0 | 0–9 off<br>10–19 1m<br>20–29 2m<br>30–39 3m<br>40–49 4m<br>50–59 5m<br>60–69 6m<br>70–79 7m<br>80–89 8m<br>90–99 9m<br>100–109 10m<br>110–119 11m<br>120–129 12m<br>130–139 13m<br>140–149 14m<br>150–159 15m<br>160–169 16m<br>170–179 17m<br>180–189 18m<br>190–199 19m<br>200–209 20m<br>210–219 21m<br>220–229 22m<br>230–239 23m<br>240–249 24m<br>250–254 25m<br>255–255 far |
| **11** | Focus1Adjust | 128 | |
| **12** | Iris | 0 | 0–254 open<br>255–255 closed |
| **13** | Gobo | 0 | 0–7 open (wheel slot 1)<br>8–15 gobo 1_1 (wheel slot 2)<br>16–23 gobo 1_2 (wheel slot 3)<br>24–31 gobo 1_3 (wheel slot 4)<br>32–39 gobo 1_4 (wheel slot 5)<br>40–47 gobo 1_5 (wheel slot 6)<br>48–55 gobo 1_6 (wheel slot 7)<br>56–127 gobo 1_7 (wheel slot 8)<br>128–134 open (2) fast (wheel slot 1)<br>135–135 open (2) slow (wheel slot 1)<br>136–142 gobo 1_1 fast (wheel slot 2)<br>143–143 gobo 1_1 slow (wheel slot 2)<br>144–150 gobo 1_2 fast (wheel slot 3)<br>151–151 gobo 1_2 slow (wheel slot 3)<br>152–158 gobo 1_3 fast (wheel slot 4)<br>159–159 gobo 1_3 slow (wheel slot 4)<br>160–166 gobo 1_4 fast (wheel slot 5)<br>167–167 gobo 1_4 slow (wheel slot 5)<br>168–174 gobo 1_5 fast (wheel slot 6)<br>175–175 gobo 1_5 slow (wheel slot 6)<br>176–182 gobo 1_6 fast (wheel slot 7)<br>183–183 gobo 1_6 slow (wheel slot 7)<br>184–190 gobo 1_7 fast (wheel slot 8)<br>191–191 gobo 1_7 slow (wheel slot 8)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Mode 1 (37 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **14** | Gobo Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–159 360<br>160–190 450<br>191–191 540<br>192–192 >>><br>193–222 rotate 100__1%<br>223–224 Stop<br>225–254 rotate -1__-100%<br>255–255 <<< |
| **15** | Blade1A | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **16** | Blade1B | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **17** | Blade3A | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **18** | Blade3B | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |

## Mode 1 (37 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **19** | Blade2A | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **20** | Blade2B | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **21** | Blade4A | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **22** | Blade4B | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |

## Mode 1 (37 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **23** | Shaper Rot | 128 | 0–9 65<br>10–19 60<br>20–28 55<br>29–38 50<br>39–48 45<br>49–58 40<br>59–68 35<br>69–77 30<br>78–87 25<br>88–97 20<br>98–107 15<br>108–117 10<br>118–127 5<br>128–136 0<br>137–146 -5<br>147–156 -10<br>157–166 -15<br>167–176 -20<br>177–185 -25<br>186–195 -30<br>196–205 -35<br>206–215 -40<br>216–225 -45<br>226–234 -50<br>235–244 -55<br>245–254 -60<br>255–255 -65 |
| **24** | Color Wheel | 0 | 0–0 open (wheel slot 1)<br>1–1 open (no color shift at gobo) (wheel slot 1)<br>2–3 white / ctb (wheel slot 1)<br>4–5 ctb (wheel slot 2)<br>6–7 ctb / red (wheel slot 2)<br>8–9 red (wheel slot 3)<br>10–11 red / yellow (wheel slot 3)<br>12–13 yellow (wheel slot 4)<br>14–15 yellow / magenta (wheel slot 4)<br>16–17 magenta (wheel slot 5)<br>18–19 magenta / green (wheel slot 5)<br>20–21 green (wheel slot 6)<br>22–23 green / orange (wheel slot 6)<br>24–25 orange (wheel slot 7)<br>26–27 orange / cri (wheel slot 7)<br>28–29 cri (wheel slot 8)<br>30–63 cto (wheel slot 9)<br>64–74 open (2) (wheel slot 1)<br>75–85 ctb (wheel slot 2)<br>86–95 red (wheel slot 3)<br>96–106 yellow (wheel slot 4)<br>107–117 magenta (wheel slot 5)<br>118–128 green (wheel slot 6)<br>129–138 orange (wheel slot 7)<br>139–149 cri (wheel slot 8)<br>150–190 cto (wheel slot 9)<br>191–191 open (3) (wheel slot 1)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Mode 1 (37 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Color Wheel 2 | 0 | 0–1 open (wheel slot 1)<br>2–3 white / cto1 (wheel slot 1)<br>4–5 cto1 (wheel slot 2)<br>6–7 cto1 / cto2 (wheel slot 2)<br>8–9 cto2 (wheel slot 3)<br>10–11 cto2 / cto3 (wheel slot 3)<br>12–13 cto3 (wheel slot 4)<br>14–15 cto3 / ctb1 (wheel slot 4)<br>16–17 ctb1 (wheel slot 5)<br>18–19 ctb1 / ctb2 (wheel slot 5)<br>20–21 ctb2 (wheel slot 6)<br>22–23 ctb2 / ctb3 (wheel slot 6)<br>24–25 ctb3 (wheel slot 7)<br>26–27 ctb3 / dark blue (wheel slot 7)<br>28–29 dark blue (wheel slot 8)<br>30–63 ctb (wheel slot 9)<br>64–191 white to white (wheel slot 1)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |
| **26** | Cyan | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **27** | Magenta | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **28** | Yellow | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **29** | C TO | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **30** | C TB | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |

## Mode 1 (37 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **31** | Sparkle Speed | 0 | 0–0 sparkle faded slow<br>1–30 sparkle faded 1__99%<br>31–31 sparkle faded fast<br>32–32 sparkle switched slow<br>33–62 sparkle switched 1__99%<br>63–63 sparkle switched fast<br>64–64 sparkle faded slow<br>65–94 sparkle faded 1__99%<br>95–95 sparkle faded fast<br>96–96 sparkle switched slow<br>97–126 sparkle switched 1__99%<br>127–127 sparkle switched fast<br>128–128 sparkle faded slow<br>129–158 sparkle faded 1__99%<br>159–159 sparkle faded fast<br>160–160 sparkle switched slow<br>161–190 sparkle switched 1__99%<br>191–191 sparkle switched fast<br>192–192 sparkle faded slow<br>193–222 sparkle faded 1__99%<br>223–223 sparkle faded fast<br>224–224 sparkle switched slow<br>225–254 sparkle switched 1__99%<br>255–255 sparkle switched fast |
| **32** | Sparkle | 0 | 0–63 0% sparkle<br>64–127 25% sparkle<br>128–190 50% sparkle<br>191–254 75% sparkle<br>255–255 100% sparkle |
| **33** | Frost1 | 0 | 0–63 0% frost<br>64–127 25% frost<br>128–190 50% frost<br>191–254 75% frost<br>255–255 100% frost |
| **34** | Frost2 | 0 | 0–63 0% frost<br>64–127 25% frost<br>128–190 50% frost<br>191–254 75% frost<br>255–255 100% frost |
| **35** | Position MSpeed | 0 | 0–3 real time movement<br>4–254 movement fast<br>255–255 movement slow |
| **36** | Global MSpeed | 0 | 0–3 realtime effects<br>4–254 effects fast<br>255–255 effects slow |
| **37** | Blackout Mode | 0 | 0–95 no bo<br>96–126 bo at p/t slow<br>127–127 bo at p/t fast<br>128–158 bo at go co pr cmy ir fr slow<br>159–159 bo at go co pr cmy ir fr fast<br>160–190 bo at go co pr cmy ir fr fo zo slow<br>191–191 bo at go co pr cmy ir fr fo zo fast<br>192–222 bo at go co pr cmy ir fr p/t slow<br>223–223 bo at go co pr cmy ir fr p/t fast<br>224–254 bo at go co pr cmy ir fr fo zo p/t slow<br>255–255 bo at go co pr cmy ir fr fo zo p/t fast |

## Mode 2 (56 ch)

56 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 | Control1 | 0 | |
| 6 | Shutter / Strobe | 16 | 0–15 closed<br>16–95 open<br>96–97 StrobePulseOpen · 20Hz 20–18.6 Hz<br>98–99 StrobePulseOpen · 15Hz 17.2–15.7 Hz<br>100–101 StrobePulseOpen · 10Hz 14.3–12.9 Hz<br>102–104 StrobePulseOpen · 5Hz 11.5–8.63 Hz<br>105–109 StrobePulseOpen · 1Hz 7.21–1.52 Hz<br>110–110 StrobePulseOpen · 1/10Hz 0.1 Hz<br>111–111 open (2)<br>112–124 Shutter Fade Effect strobe · fade effect slow 1–18.5…<br>125–125 Shutter Fade Effect strobe · fade effect fast 20 Hz<br>126–126 open (3)<br>127–127 closed (2)<br>128–141 pulse open fast<br>142–142 pulse open slow<br>143–143 open (4)<br>144–157 pulse close fast<br>158–158 pulse close slow<br>159–159 closed (3)<br>160–173 Shutter Fade close strobe · fade close fast 20–1.52 …<br>174–174 Shutter Fade close strobe · fade close slow 0.1 Hz<br>175–175 open (5)<br>176–189 fade open fast<br>190–190 fade open slow<br>191–191 closed (4)<br>192–205 rnd open fast<br>206–206 rnd open slow<br>207–207 open (6)<br>208–221 Shutter Rnd Close strobe · rnd close fast 20–1.52 Hz<br>222–222 Shutter Rnd Close strobe · rnd close slow 0.1 Hz<br>223–223 closed (5)<br>224–238 rnd pulse close fast<br>239–239 open (7)<br>240–254 rnd pulse open fast<br>255–255 open (8) |
| 7 | Dimmer | 0 | 0–24 closed<br>25–50 10%<br>51–63 20%<br>64–75 25%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–190 70%<br>191–203 75%<br>204–229 80%<br>230–254 90%<br>255–255 open |
| 8 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 9 | Focus | 128 | |
| 10 | Focus Fine | 0 | Fine byte of Focus |
| 11 | Zoom | 128 | 0–127 narrow<br>128–254 medium<br>255–255 wide |

## Mode 2 (56 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **12** | Zoom Fine | 0 | Fine byte of Zoom |
| **13** | Focus1Distance | 0 | 0–9 off<br>10–19 1m<br>20–29 2m<br>30–39 3m<br>40–49 4m<br>50–59 5m<br>60–69 6m<br>70–79 7m<br>80–89 8m<br>90–99 9m<br>100–109 10m<br>110–119 11m<br>120–129 12m<br>130–139 13m<br>140–149 14m<br>150–159 15m<br>160–169 16m<br>170–179 17m<br>180–189 18m<br>190–199 19m<br>200–209 20m<br>210–219 21m<br>220–229 22m<br>230–239 23m<br>240–249 24m<br>250–254 25m<br>255–255 far |
| **14** | Focus1Adjust | 128 | |
| **15** | Iris | 0 | 0–254 open<br>255–255 closed |
| **16** | Iris Fine | 0 | Fine byte of Iris |
| **17** | Gobo | 0 | 0–7 open (wheel slot 1)<br>8–15 gobo 1_1 (wheel slot 2)<br>16–23 gobo 1_2 (wheel slot 3)<br>24–31 gobo 1_3 (wheel slot 4)<br>32–39 gobo 1_4 (wheel slot 5)<br>40–47 gobo 1_5 (wheel slot 6)<br>48–55 gobo 1_6 (wheel slot 7)<br>56–127 gobo 1_7 (wheel slot 8)<br>128–134 open (2) fast (wheel slot 1)<br>135–135 open (2) slow (wheel slot 1)<br>136–142 gobo 1_1 fast (wheel slot 2)<br>143–143 gobo 1_1 slow (wheel slot 2)<br>144–150 gobo 1_2 fast (wheel slot 3)<br>151–151 gobo 1_2 slow (wheel slot 3)<br>152–158 gobo 1_3 fast (wheel slot 4)<br>159–159 gobo 1_3 slow (wheel slot 4)<br>160–166 gobo 1_4 fast (wheel slot 5)<br>167–167 gobo 1_4 slow (wheel slot 5)<br>168–174 gobo 1_5 fast (wheel slot 6)<br>175–175 gobo 1_5 slow (wheel slot 6)<br>176–182 gobo 1_6 fast (wheel slot 7)<br>183–183 gobo 1_6 slow (wheel slot 7)<br>184–190 gobo 1_7 fast (wheel slot 8)<br>191–191 gobo 1_7 slow (wheel slot 8)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Mode 2 (56 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Gobo Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–159 360<br>160–190 450<br>191–191 540<br>192–222 <<<br>223–224 Stop<br>225–254 rotate 1__100%<br>255–255 >>> |
| **19** | Gobo Rotation Fine | 0 | Fine byte of Gobo Rotation |
| **20** | Blade1A | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **21** | Blade1A Fine | 0 | Fine byte of Blade1A |
| **22** | Blade1B | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **23** | Blade1B Fine | 0 | Fine byte of Blade1B |
| **24** | Blade3A | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **25** | Blade3A Fine | 0 | Fine byte of Blade3A |
| **26** | Blade3B | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |

## Mode 2 (56 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **27** | Blade3B Fine | 0 | Fine byte of Blade3B |
| **28** | Blade2A | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **29** | Blade2A Fine | 0 | Fine byte of Blade2A |
| **30** | Blade2B | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **31** | Blade2B Fine | 0 | Fine byte of Blade2B |
| **32** | Blade4A | 0 | 0–24 min<br>25–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **33** | Blade4A Fine | 0 | Fine byte of Blade4A |
| **34** | Blade4B | 0 | 0–21 min<br>22–50 10%<br>51–75 20%<br>76–101 30%<br>102–127 40%<br>128–152 50%<br>153–178 60%<br>179–203 70%<br>204–229 80%<br>230–254 90%<br>255–255 max |
| **35** | Blade4B Fine | 0 | Fine byte of Blade4B |

## Mode 2 (56 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **36** | Shaper Rot | 128 | 0–8 65<br>9–18 60<br>19–28 55<br>29–38 50<br>39–48 45<br>49–58 40<br>59–67 35<br>68–77 30<br>78–87 25<br>88–97 20<br>98–107 15<br>108–117 10<br>118–127 5<br>128–136 0<br>137–146 -5<br>147–156 -10<br>157–166 -15<br>167–176 -20<br>177–186 -25<br>187–195 -30<br>196–205 -35<br>206–215 -40<br>216–225 -45<br>226–235 -50<br>236–245 -55<br>246–254 -60<br>255–255 -65 |
| **37** | Shaper Rot Fine | 0 | Fine byte of Shaper Rot |
| **38** | Color Wheel | 0 | 0–0 open (wheel slot 1)<br>1–1 open (no color shift at gobo) (wheel slot 1)<br>2–3 white / ctb (wheel slot 1)<br>4–5 ctb (wheel slot 2)<br>6–7 ctb / red (wheel slot 2)<br>8–9 red (wheel slot 3)<br>10–11 red / yellow (wheel slot 3)<br>12–13 yellow (wheel slot 4)<br>14–15 yellow / magenta (wheel slot 4)<br>16–17 magenta (wheel slot 5)<br>18–19 magenta / green (wheel slot 5)<br>20–21 green (wheel slot 6)<br>22–23 green / orange (wheel slot 6)<br>24–25 orange (wheel slot 7)<br>26–27 orange / cri (wheel slot 7)<br>28–29 cri (wheel slot 8)<br>30–63 cto (wheel slot 9)<br>64–74 open (2) (wheel slot 1)<br>75–85 ctb (wheel slot 2)<br>86–95 red (wheel slot 3)<br>96–106 yellow (wheel slot 4)<br>107–117 magenta (wheel slot 5)<br>118–128 green (wheel slot 6)<br>129–138 orange (wheel slot 7)<br>139–149 cri (wheel slot 8)<br>150–190 cto (wheel slot 9)<br>191–191 open (3) (wheel slot 1)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Mode 2 (56 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **39** | Color Wheel 2 | 0 | 0–1 open (wheel slot 1)<br>2–3 white / cto1 (wheel slot 1)<br>4–5 cto1 (wheel slot 2)<br>6–7 cto1 / cto2 (wheel slot 2)<br>8–9 cto2 (wheel slot 3)<br>10–11 cto2 / cto3 (wheel slot 3)<br>12–13 cto3 (wheel slot 4)<br>14–15 cto3 / ctb1 (wheel slot 4)<br>16–17 ctb1 (wheel slot 5)<br>18–19 ctb1 / ctb2 (wheel slot 5)<br>20–21 ctb2 (wheel slot 6)<br>22–23 ctb2 / ctb3 (wheel slot 6)<br>24–25 ctb3 (wheel slot 7)<br>26–27 ctb3 / dark blue (wheel slot 7)<br>28–29 dark blue (wheel slot 8)<br>30–63 ctb (wheel slot 9)<br>64–191 white to white (wheel slot 1)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |
| **40** | Cyan | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **41** | Cyan Fine | 0 | Fine byte of Cyan |
| **42** | Magenta | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **43** | Magenta Fine | 0 | Fine byte of Magenta |
| **44** | Yellow | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **45** | Yellow Fine | 0 | Fine byte of Yellow |
| **46** | C TO | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **47** | C TO Fine | 0 | Fine byte of C TO |
| **48** | C TB | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **49** | C TB Fine | 0 | Fine byte of C TB |
| **50** | Sparkle | 0 | 0–63 0% sparkle<br>64–127 25% sparkle<br>128–190 50% sparkle<br>191–254 75% sparkle<br>255–255 100% sparkle |

## Mode 2 (56 ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **51** | Sparkle Speed | 0 | 0–0 sparkle faded slow<br>1–30 sparkle faded 1__99%<br>31–31 sparkle faded fast<br>32–32 sparkle switched slow<br>33–62 sparkle switched 1__99%<br>63–63 sparkle switched fast<br>64–64 sparkle faded slow<br>65–94 sparkle faded 1__99%<br>95–95 sparkle faded fast<br>96–96 sparkle switched slow<br>97–126 sparkle switched 1__99%<br>127–127 sparkle switched fast<br>128–128 sparkle faded slow<br>129–158 sparkle faded 1__99%<br>159–159 sparkle faded fast<br>160–160 sparkle switched slow<br>161–190 sparkle switched 1__99%<br>191–191 sparkle switched fast<br>192–192 sparkle faded slow<br>193–222 sparkle faded 1__99%<br>223–223 sparkle faded fast<br>224–224 sparkle switched slow<br>225–254 sparkle switched 1__99%<br>255–255 sparkle switched fast |
| **52** | Frost1 | 0 | 0–63 0% frost<br>64–127 25% frost<br>128–190 50% frost<br>191–254 75% frost<br>255–255 100% frost |
| **53** | Frost2 | 0 | 0–63 0% frost<br>64–127 25% frost<br>128–190 50% frost<br>191–254 75% frost<br>255–255 100% frost |
| **54** | Position MSpeed | 0 | 0–3 real time movement<br>4–254 movement fast<br>255–255 movement slow |
| **55** | Global MSpeed | 0 | 0–3 realtime effects<br>4–254 effects fast<br>255–255 effects slow |
| **56** | Blackout Mode | 0 | 0–95 no bo<br>96–126 bo at p/t slow<br>127–127 bo at p/t fast<br>128–158 bo at go co pr cmy ir fr slow<br>159–159 bo at go co pr cmy ir fr fast<br>160–190 bo at go co pr cmy ir fr fo zo slow<br>191–191 bo at go co pr cmy ir fr fo zo fast<br>192–222 bo at go co pr cmy ir fr p/t slow<br>223–223 bo at go co pr cmy ir fr p/t fast<br>224–254 bo at go co pr cmy ir fr fo zo p/t slow<br>255–255 bo at go co pr cmy ir fr fo zo p/t fast |