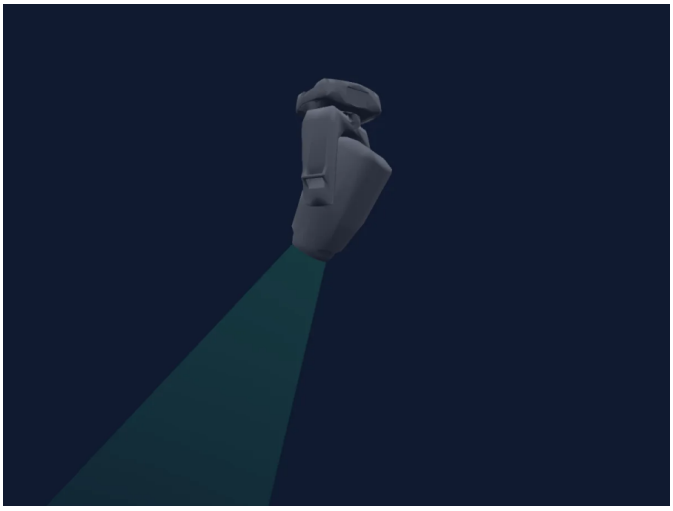
JB-Lighting

# P12 Profile HP



| | |
|---|---|
| Manufacturer | **JB-Lighting** |
| Type | **Profile spot** |
| DMX modes | **8** |
| DMX footprint | **42, 63 channels** |
| Beam angle | **5.7-60°** |
| Pan range | **546.74°** |
| Tilt range | **281.16°** |
| Size (W × H × D) | **274 × 478 × 247 mm** |
| GDTF fixture type | **B8395AA7-FA1F-4FAD-8525-20…** |

## Controls

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

## DMX modes

| | |
|---|---|
| Profile Mode 1 (42 ch) Frame Mode AB | 42 ch |
| Profile Mode 1 (42 ch) Frame Mode AB 70% | 42 ch |
| Profile Mode 1 (42 ch) Frame Mode MA | 42 ch |
| Profile Mode 1 (42 ch) Frame Mode MA 70% | 42 ch |
| Profile Mode 2 (63 ch) Frame Mode AB | 63 ch |
| Profile Mode 2 (63 ch) Frame Mode AB 70% | 63 ch |
| Profile Mode 2 (63 ch) Frame Mode MA | 63 ch |
| Profile Mode 2 (63 ch) Frame Mode MA 70% | 63 ch |

## Profile Mode 1 (42 ch) Frame Mode AB

42 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 |

## Profile Mode 1 (42 ch) Frame Mode AB (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** | No Feature | 128 | |
| **12** | Iris | 0 | 0–254 open<br>255–255 closed |
| **13** | Gobo | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Nightsky (wheel slot 2)<br>16–23 2 Rotor (wheel slot 3)<br>24–31 3 Crescents (wheel slot 4)<br>32–39 4 Tunnel (wheel slot 5)<br>40–47 5 Bush (wheel slot 6)<br>48–127 6 Bamboo (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 nightsky shake fast (wheel slot 2)<br>143–143 1 nightsky shake slow (wheel slot 2)<br>144–150 2 rotor shake fast (wheel slot 3)<br>151–151 2 rotor shake slow (wheel slot 3)<br>152–158 3 crescents shake fast (wheel slot 4)<br>159–159 3 crescents shake slow (wheel slot 4)<br>160–166 4 tunnel shake fast (wheel slot 5)<br>167–167 4 tunnel shake slow (wheel slot 5)<br>168–174 5 bush shake fast (wheel slot 6)<br>175–175 5 bush shake slow (wheel slot 6)<br>176–190 6 bamboo shake fast (wheel slot 7)<br>191–191 6 bamboo shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Profile Mode 1 (42 ch) Frame Mode AB (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** | Gobo 2 | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Point Line (wheel slot 2)<br>16–23 2 Tiger (wheel slot 3)<br>24–31 3 Silver (wheel slot 4)<br>32–39 4 Turbine (wheel slot 5)<br>40–47 5 Dash horizontal (wheel slot 6)<br>48–127 6 Ornament (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 Point Line shake fast (wheel slot 2)<br>143–143 1 Point Line shake slow (wheel slot 2)<br>144–150 2 Tiger shake fast (wheel slot 3)<br>151–151 2 Tiger shake slow (wheel slot 3)<br>152–158 3 Silver shake fast (wheel slot 4)<br>159–159 3 Silver shake slow (wheel slot 4)<br>160–166 4 Turbine shake fast (wheel slot 5)<br>167–167 4 Turbine shake slow (wheel slot 5)<br>168–174 5 Dash horizontal shake fast (wheel slot 6)<br>175–175 5 Dash horizontal shake slow (wheel slot 6)<br>176–190 6 Ornament shake fast (wheel slot 7)<br>191–191 6 Ornament shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |
| **16** | Gobo Rotation 2 | 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 <<< |
| **17** | 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 |

## Profile Mode 1 (42 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | 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 |
| **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** | 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 |
| **22** | 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 |

## Profile Mode 1 (42 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **23** | 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 |
| **24** | 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 |
| **25** | Shaper Rot | 128 | 0–10 -55<br>11–22 -50<br>23–33 -45<br>34–45 -40<br>46–57 -35<br>58–68 -30<br>69–80 -25<br>81–92 -20<br>93–103 -15<br>104–115 -10<br>116–127 -5<br>128–138 0<br>139–150 5<br>151–161 10<br>162–173 15<br>174–185 20<br>186–196 25<br>197–208 30<br>209–220 35<br>221–231 40<br>232–243 45<br>244–254 50<br>255–255 55 |

## Profile Mode 1 (42 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **26** | Color Wheel | 0 | 0–1 open (wheel slot 1)<br>2–3 white / red (wheel slot 1)<br>4–5 red (wheel slot 2)<br>6–7 red / yellow (wheel slot 2)<br>8–9 yellow (wheel slot 3)<br>10–11 yellow / magenta (wheel slot 3)<br>12–13 magenta (wheel slot 4)<br>14–15 magenta / green (wheel slot 4)<br>16–17 green (wheel slot 5)<br>18–19 green / orange (wheel slot 5)<br>20–21 orange (wheel slot 6)<br>22–23 orange / blue (wheel slot 6)<br>24–25 blue (wheel slot 7)<br>26–27 blue / pink (wheel slot 7)<br>28–29 pink (wheel slot 8)<br>30–31 pink / hcri (wheel slot 8)<br>32–33 hcri (wheel slot 9)<br>34–63 hcri / white (wheel slot 9)<br>64–76 open (2) (wheel slot 1)<br>77–89 red (wheel slot 2)<br>90–101 yellow (wheel slot 3)<br>102–114 magenta (wheel slot 4)<br>115–127 green (wheel slot 5)<br>128–140 orange (wheel slot 6)<br>141–153 blue (wheel slot 7)<br>154–165 pink (wheel slot 8)<br>166–178 hcri (wheel slot 9)<br>179–191 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 |
| **27** | Cyan | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **28** | Magenta | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **29** | Yellow | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **30** | C TO | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **31** | 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 |

## Profile Mode 1 (42 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **32** | 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 |
| **33** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 5 facet linear (wheel slot 2) |
| **34** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<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 <<< |
| **35** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 3 facet circular (wheel slot 2) |
| **36** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<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 <<< |
| **37** | 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 |

### Profile Mode 1 (42 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **38** | 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 |
| **39** | Dummy | 128 | |
| **40** | Position MSpeed | 0 | 0–3 real time movement<br>4–254 movement fast<br>255–255 movement slow |
| **41** | Global MSpeed | 0 | 0–3 realtime effects<br>4–254 effects fast<br>255–255 effects slow |
| **42** | 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 |

## Profile Mode 1 (42 ch) Frame Mode AB 70%

42 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 | |

## Profile Mode 1 (42 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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 |

## Profile Mode 1 (42 ch) Frame Mode AB 70% (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** | No Feature | 128 | |
| **12** | Iris | 0 | 0–254 open<br>255–255 closed |
| **13** | Gobo | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Nightsky (wheel slot 2)<br>16–23 2 Rotor (wheel slot 3)<br>24–31 3 Crescents (wheel slot 4)<br>32–39 4 Tunnel (wheel slot 5)<br>40–47 5 Bush (wheel slot 6)<br>48–127 6 Bamboo (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 nightsky shake fast (wheel slot 2)<br>143–143 1 nightsky shake slow (wheel slot 2)<br>144–150 2 rotor shake fast (wheel slot 3)<br>151–151 2 rotor shake slow (wheel slot 3)<br>152–158 3 crescents shake fast (wheel slot 4)<br>159–159 3 crescents shake slow (wheel slot 4)<br>160–166 4 tunnel shake fast (wheel slot 5)<br>167–167 4 tunnel shake slow (wheel slot 5)<br>168–174 5 bush shake fast (wheel slot 6)<br>175–175 5 bush shake slow (wheel slot 6)<br>176–190 6 bamboo shake fast (wheel slot 7)<br>191–191 6 bamboo shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Profile Mode 1 (42 ch) Frame Mode AB 70% (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** | Gobo 2 | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Point Line (wheel slot 2)<br>16–23 2 Tiger (wheel slot 3)<br>24–31 3 Silver (wheel slot 4)<br>32–39 4 Turbine (wheel slot 5)<br>40–47 5 Dash horizontal (wheel slot 6)<br>48–127 6 Ornament (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 Point Line shake fast (wheel slot 2)<br>143–143 1 Point Line shake slow (wheel slot 2)<br>144–150 2 Tiger shake fast (wheel slot 3)<br>151–151 2 Tiger shake slow (wheel slot 3)<br>152–158 3 Silver shake fast (wheel slot 4)<br>159–159 3 Silver shake slow (wheel slot 4)<br>160–166 4 Turbine shake fast (wheel slot 5)<br>167–167 4 Turbine shake slow (wheel slot 5)<br>168–174 5 Dash horizontal shake fast (wheel slot 6)<br>175–175 5 Dash horizontal shake slow (wheel slot 6)<br>176–190 6 Ornament shake fast (wheel slot 7)<br>191–191 6 Ornament shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |
| **16** | Gobo Rotation 2 | 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 <<< |
| **17** | Blade1A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |

## Profile Mode 1 (42 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Blade1B | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **19** | Blade2A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **20** | Blade2B | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **21** | Blade3A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **22** | Blade3B | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **23** | Blade4A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **24** | Blade4B | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |

## Profile Mode 1 (42 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Shaper Rot | 128 | 0–10 -55<br>11–22 -50<br>23–33 -45<br>34–45 -40<br>46–57 -35<br>58–68 -30<br>69–80 -25<br>81–92 -20<br>93–103 -15<br>104–115 -10<br>116–127 -5<br>128–138 0<br>139–150 5<br>151–161 10<br>162–173 15<br>174–185 20<br>186–196 25<br>197–208 30<br>209–220 35<br>221–231 40<br>232–243 45<br>244–254 50<br>255–255 55 |
| **26** | Color Wheel | 0 | 0–1 open (wheel slot 1)<br>2–3 white / red (wheel slot 1)<br>4–5 red (wheel slot 2)<br>6–7 red / yellow (wheel slot 2)<br>8–9 yellow (wheel slot 3)<br>10–11 yellow / magenta (wheel slot 3)<br>12–13 magenta (wheel slot 4)<br>14–15 magenta / green (wheel slot 4)<br>16–17 green (wheel slot 5)<br>18–19 green / orange (wheel slot 5)<br>20–21 orange (wheel slot 6)<br>22–23 orange / blue (wheel slot 6)<br>24–25 blue (wheel slot 7)<br>26–27 blue / pink (wheel slot 7)<br>28–29 pink (wheel slot 8)<br>30–31 pink / hcri (wheel slot 8)<br>32–33 hcri (wheel slot 9)<br>34–63 hcri / white (wheel slot 9)<br>64–76 open (2) (wheel slot 1)<br>77–89 red (wheel slot 2)<br>90–101 yellow (wheel slot 3)<br>102–114 magenta (wheel slot 4)<br>115–127 green (wheel slot 5)<br>128–140 orange (wheel slot 6)<br>141–153 blue (wheel slot 7)<br>154–165 pink (wheel slot 8)<br>166–178 hcri (wheel slot 9)<br>179–191 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 |
| **27** | Cyan | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |

## Profile Mode 1 (42 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **28** | Magenta | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **29** | Yellow | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **30** | C TO | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **31** | 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 |
| **32** | 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 |
| **33** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 5 facet linear (wheel slot 2) |
| **34** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<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 <<< |
| **35** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 3 facet circular (wheel slot 2) |

### Profile Mode 1 (42 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **36** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<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 <<< |
| **37** | 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 |
| **38** | 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 |
| **39** | Dummy | 128 | |
| **40** | Position MSpeed | 0 | 0–3 real time movement<br>4–254 movement fast<br>255–255 movement slow |
| **41** | Global MSpeed | 0 | 0–3 realtime effects<br>4–254 effects fast<br>255–255 effects slow |
| **42** | 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 |

## Profile Mode 1 (42 ch) Frame Mode MA

42 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 | |

## Profile Mode 1 (42 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 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 |

## Profile Mode 1 (42 ch) Frame Mode MA (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** | No Feature | 128 | |
| **12** | Iris | 0 | 0–254 open<br>255–255 closed |
| **13** | Gobo | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Nightsky (wheel slot 2)<br>16–23 2 Rotor (wheel slot 3)<br>24–31 3 Crescents (wheel slot 4)<br>32–39 4 Tunnel (wheel slot 5)<br>40–47 5 Bush (wheel slot 6)<br>48–127 6 Bamboo (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 nightsky shake fast (wheel slot 2)<br>143–143 1 nightsky shake slow (wheel slot 2)<br>144–150 2 rotor shake fast (wheel slot 3)<br>151–151 2 rotor shake slow (wheel slot 3)<br>152–158 3 crescents shake fast (wheel slot 4)<br>159–159 3 crescents shake slow (wheel slot 4)<br>160–166 4 tunnel shake fast (wheel slot 5)<br>167–167 4 tunnel shake slow (wheel slot 5)<br>168–174 5 bush shake fast (wheel slot 6)<br>175–175 5 bush shake slow (wheel slot 6)<br>176–190 6 bamboo shake fast (wheel slot 7)<br>191–191 6 bamboo shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Profile Mode 1 (42 ch) Frame Mode MA (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** | Gobo 2 | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Point Line (wheel slot 2)<br>16–23 2 Tiger (wheel slot 3)<br>24–31 3 Silver (wheel slot 4)<br>32–39 4 Turbine (wheel slot 5)<br>40–47 5 Dash horizontal (wheel slot 6)<br>48–127 6 Ornament (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 Point Line shake fast (wheel slot 2)<br>143–143 1 Point Line shake slow (wheel slot 2)<br>144–150 2 Tiger shake fast (wheel slot 3)<br>151–151 2 Tiger shake slow (wheel slot 3)<br>152–158 3 Silver shake fast (wheel slot 4)<br>159–159 3 Silver shake slow (wheel slot 4)<br>160–166 4 Turbine shake fast (wheel slot 5)<br>167–167 4 Turbine shake slow (wheel slot 5)<br>168–174 5 Dash horizontal shake fast (wheel slot 6)<br>175–175 5 Dash horizontal shake slow (wheel slot 6)<br>176–190 6 Ornament shake fast (wheel slot 7)<br>191–191 6 Ornament shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |
| **16** | Gobo Rotation 2 | 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 <<< |
| **17** | 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 |

## Profile Mode 1 (42 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Blade1Rot | 128 | 0–42 max ccw<br>43–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **19** | 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 |
| **20** | Blade3Rot | 128 | 0–42 max ccw<br>43–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **21** | 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 |
| **22** | Blade2Rot | 128 | 0–42 max ccw<br>43–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **23** | 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 |
| **24** | Blade4Rot | 128 | 0–42 max ccw<br>43–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |

## Profile Mode 1 (42 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Shaper Rot | 128 | 0–10 -55<br>11–22 -50<br>23–33 -45<br>34–45 -40<br>46–57 -35<br>58–68 -30<br>69–80 -25<br>81–92 -20<br>93–103 -15<br>104–115 -10<br>116–127 -5<br>128–138 0<br>139–150 5<br>151–161 10<br>162–173 15<br>174–185 20<br>186–196 25<br>197–208 30<br>209–220 35<br>221–231 40<br>232–243 45<br>244–254 50<br>255–255 55 |
| **26** | Color Wheel | 0 | 0–1 open (wheel slot 1)<br>2–3 white / red (wheel slot 1)<br>4–5 red (wheel slot 2)<br>6–7 red / yellow (wheel slot 2)<br>8–9 yellow (wheel slot 3)<br>10–11 yellow / magenta (wheel slot 3)<br>12–13 magenta (wheel slot 4)<br>14–15 magenta / green (wheel slot 4)<br>16–17 green (wheel slot 5)<br>18–19 green / orange (wheel slot 5)<br>20–21 orange (wheel slot 6)<br>22–23 orange / blue (wheel slot 6)<br>24–25 blue (wheel slot 7)<br>26–27 blue / pink (wheel slot 7)<br>28–29 pink (wheel slot 8)<br>30–31 pink / hcri (wheel slot 8)<br>32–33 hcri (wheel slot 9)<br>34–63 hcri / white (wheel slot 9)<br>64–76 open (2) (wheel slot 1)<br>77–89 red (wheel slot 2)<br>90–101 yellow (wheel slot 3)<br>102–114 magenta (wheel slot 4)<br>115–127 green (wheel slot 5)<br>128–140 orange (wheel slot 6)<br>141–153 blue (wheel slot 7)<br>154–165 pink (wheel slot 8)<br>166–178 hcri (wheel slot 9)<br>179–191 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 |
| **27** | Cyan | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |

## Profile Mode 1 (42 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **28** | Magenta | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **29** | Yellow | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **30** | C TO | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **31** | 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 |
| **32** | 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 |
| **33** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 5 facet linear (wheel slot 2) |
| **34** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<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 <<< |
| **35** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 3 facet circular (wheel slot 2) |

### Profile Mode 1 (42 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **36** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<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 <<< |
| **37** | 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 |
| **38** | 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 |
| **39** | Dummy | 128 | |
| **40** | Position MSpeed | 0 | 0–3 real time movement<br>4–254 movement fast<br>255–255 movement slow |
| **41** | Global MSpeed | 0 | 0–3 realtime effects<br>4–254 effects fast<br>255–255 effects slow |
| **42** | 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 |

## Profile Mode 1 (42 ch) Frame Mode MA 70%

42 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 | |

## Profile Mode 1 (42 ch) Frame Mode MA 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 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 |

## Profile Mode 1 (42 ch) Frame Mode MA 70% (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** | No Feature | 128 | |
| **12** | Iris | 0 | 0–254 open<br>255–255 closed |
| **13** | Gobo | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Nightsky (wheel slot 2)<br>16–23 2 Rotor (wheel slot 3)<br>24–31 3 Crescents (wheel slot 4)<br>32–39 4 Tunnel (wheel slot 5)<br>40–47 5 Bush (wheel slot 6)<br>48–127 6 Bamboo (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 nightsky shake fast (wheel slot 2)<br>143–143 1 nightsky shake slow (wheel slot 2)<br>144–150 2 rotor shake fast (wheel slot 3)<br>151–151 2 rotor shake slow (wheel slot 3)<br>152–158 3 crescents shake fast (wheel slot 4)<br>159–159 3 crescents shake slow (wheel slot 4)<br>160–166 4 tunnel shake fast (wheel slot 5)<br>167–167 4 tunnel shake slow (wheel slot 5)<br>168–174 5 bush shake fast (wheel slot 6)<br>175–175 5 bush shake slow (wheel slot 6)<br>176–190 6 bamboo shake fast (wheel slot 7)<br>191–191 6 bamboo shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Profile Mode 1 (42 ch) Frame Mode MA 70% (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** | Gobo 2 | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Point Line (wheel slot 2)<br>16–23 2 Tiger (wheel slot 3)<br>24–31 3 Silver (wheel slot 4)<br>32–39 4 Turbine (wheel slot 5)<br>40–47 5 Dash horizontal (wheel slot 6)<br>48–127 6 Ornament (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 Point Line shake fast (wheel slot 2)<br>143–143 1 Point Line shake slow (wheel slot 2)<br>144–150 2 Tiger shake fast (wheel slot 3)<br>151–151 2 Tiger shake slow (wheel slot 3)<br>152–158 3 Silver shake fast (wheel slot 4)<br>159–159 3 Silver shake slow (wheel slot 4)<br>160–166 4 Turbine shake fast (wheel slot 5)<br>167–167 4 Turbine shake slow (wheel slot 5)<br>168–174 5 Dash horizontal shake fast (wheel slot 6)<br>175–175 5 Dash horizontal shake slow (wheel slot 6)<br>176–190 6 Ornament shake fast (wheel slot 7)<br>191–191 6 Ornament shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |
| **16** | Gobo Rotation 2 | 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 <<< |
| **17** | Blade1A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |

## Profile Mode 1 (42 ch) Frame Mode MA 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Blade1Rot | 128 | 0–42 max ccw<br>43–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **19** | Blade3A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **20** | Blade3Rot | 128 | 0–42 max ccw<br>43–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **21** | Blade2A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **22** | Blade2Rot | 128 | 0–42 max ccw<br>43–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **23** | Blade4A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **24** | Blade4Rot | 128 | 0–42 max ccw<br>43–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |

## Profile Mode 1 (42 ch) Frame Mode MA 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Shaper Rot | 128 | 0–10 -55<br>11–22 -50<br>23–33 -45<br>34–45 -40<br>46–57 -35<br>58–68 -30<br>69–80 -25<br>81–92 -20<br>93–103 -15<br>104–115 -10<br>116–127 -5<br>128–138 0<br>139–150 5<br>151–161 10<br>162–173 15<br>174–185 20<br>186–196 25<br>197–208 30<br>209–220 35<br>221–231 40<br>232–243 45<br>244–254 50<br>255–255 55 |
| **26** | Color Wheel | 0 | 0–1 open (wheel slot 1)<br>2–3 white / red (wheel slot 1)<br>4–5 red (wheel slot 2)<br>6–7 red / yellow (wheel slot 2)<br>8–9 yellow (wheel slot 3)<br>10–11 yellow / magenta (wheel slot 3)<br>12–13 magenta (wheel slot 4)<br>14–15 magenta / green (wheel slot 4)<br>16–17 green (wheel slot 5)<br>18–19 green / orange (wheel slot 5)<br>20–21 orange (wheel slot 6)<br>22–23 orange / blue (wheel slot 6)<br>24–25 blue (wheel slot 7)<br>26–27 blue / pink (wheel slot 7)<br>28–29 pink (wheel slot 8)<br>30–31 pink / hcri (wheel slot 8)<br>32–33 hcri (wheel slot 9)<br>34–63 hcri / white (wheel slot 9)<br>64–76 open (2) (wheel slot 1)<br>77–89 red (wheel slot 2)<br>90–101 yellow (wheel slot 3)<br>102–114 magenta (wheel slot 4)<br>115–127 green (wheel slot 5)<br>128–140 orange (wheel slot 6)<br>141–153 blue (wheel slot 7)<br>154–165 pink (wheel slot 8)<br>166–178 hcri (wheel slot 9)<br>179–191 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 |
| **27** | Cyan | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |

## Profile Mode 1 (42 ch) Frame Mode MA 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **28** | Magenta | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **29** | Yellow | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **30** | C TO | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **31** | 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 |
| **32** | 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 |
| **33** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 5 facet linear (wheel slot 2) |
| **34** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<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 <<< |
| **35** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 3 facet circular (wheel slot 2) |

### Profile Mode 1 (42 ch) Frame Mode MA 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **36** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<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 <<< |
| **37** | 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 |
| **38** | 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 |
| **39** | Dummy | 128 | |
| **40** | Position MSpeed | 0 | 0–3 real time movement<br>4–254 movement fast<br>255–255 movement slow |
| **41** | Global MSpeed | 0 | 0–3 realtime effects<br>4–254 effects fast<br>255–255 effects slow |
| **42** | 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 |

## Profile Mode 2 (63 ch) Frame Mode AB

63 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 | |

## Profile Mode 2 (63 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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 |
| **12** | Zoom Fine | 0 | Fine byte of Zoom |

## Profile Mode 2 (63 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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** | No Feature | 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 1 Nightsky (wheel slot 2)<br>16–23 2 Rotor (wheel slot 3)<br>24–31 3 Crescents (wheel slot 4)<br>32–39 4 Tunnel (wheel slot 5)<br>40–47 5 Bush (wheel slot 6)<br>48–127 6 Bamboo (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 nightsky shake fast (wheel slot 2)<br>143–143 1 nightsky shake slow (wheel slot 2)<br>144–150 2 rotor shake fast (wheel slot 3)<br>151–151 2 rotor shake slow (wheel slot 3)<br>152–158 3 crescents shake fast (wheel slot 4)<br>159–159 3 crescents shake slow (wheel slot 4)<br>160–166 4 tunnel shake fast (wheel slot 5)<br>167–167 4 tunnel shake slow (wheel slot 5)<br>168–174 5 bush shake fast (wheel slot 6)<br>175–175 5 bush shake slow (wheel slot 6)<br>176–190 6 bamboo shake fast (wheel slot 7)<br>191–191 6 bamboo shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Profile Mode 2 (63 ch) Frame Mode AB (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** | Gobo 2 | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Point Line (wheel slot 2)<br>16–23 2 Tiger (wheel slot 3)<br>24–31 3 Silver (wheel slot 4)<br>32–39 4 Turbine (wheel slot 5)<br>40–47 5 Dash horizontal (wheel slot 6)<br>48–127 6 Ornament (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 Point Line shake fast (wheel slot 2)<br>143–143 1 Point Line shake slow (wheel slot 2)<br>144–150 2 Tiger shake fast (wheel slot 3)<br>151–151 2 Tiger shake slow (wheel slot 3)<br>152–158 3 Silver shake fast (wheel slot 4)<br>159–159 3 Silver shake slow (wheel slot 4)<br>160–166 4 Turbine shake fast (wheel slot 5)<br>167–167 4 Turbine shake slow (wheel slot 5)<br>168–174 5 Dash horizontal shake fast (wheel slot 6)<br>175–175 5 Dash horizontal shake slow (wheel slot 6)<br>176–190 6 Ornament shake fast (wheel slot 7)<br>191–191 6 Ornament shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |
| **21** | Gobo Rotation 2 | 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 <<< |
| **22** | Gobo Rotation 2 Fine | 0 | Fine byte of Gobo Rotation 2 |
| **23** | 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 |
| **24** | Blade1A Fine | 0 | Fine byte of Blade1A |

## Profile Mode 2 (63 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | 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 |
| **26** | Blade1B Fine | 0 | Fine byte of Blade1B |
| **27** | 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 |
| **28** | Blade2A Fine | 0 | Fine byte of Blade2A |
| **29** | 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 |
| **30** | Blade2B Fine | 0 | Fine byte of Blade2B |
| **31** | 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 |
| **32** | Blade3A Fine | 0 | Fine byte of Blade3A |
| **33** | 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 |

## Profile Mode 2 (63 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **34** | Blade3B Fine | 0 | Fine byte of Blade3B |
| **35** | 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 |
| **36** | Blade4A Fine | 0 | Fine byte of Blade4A |
| **37** | 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 |
| **38** | Blade4B Fine | 0 | Fine byte of Blade4B |
| **39** | Shaper Rot | 128 | 0–10 -55<br>11–22 -50<br>23–33 -45<br>34–45 -40<br>46–57 -35<br>58–68 -30<br>69–80 -25<br>81–92 -20<br>93–103 -15<br>104–115 -10<br>116–127 -5<br>128–138 0<br>139–150 5<br>151–161 10<br>162–173 15<br>174–185 20<br>186–196 25<br>197–208 30<br>209–220 35<br>221–231 40<br>232–243 45<br>244–254 50<br>255–255 55 |
| **40** | Shaper Rot Fine | 0 | Fine byte of Shaper Rot |

## Profile Mode 2 (63 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **41** | Color Wheel | 0 | 0–1 open (wheel slot 1)<br>2–3 white / red (wheel slot 1)<br>4–5 red (wheel slot 2)<br>6–7 red / yellow (wheel slot 2)<br>8–9 yellow (wheel slot 3)<br>10–11 yellow / magenta (wheel slot 3)<br>12–13 magenta (wheel slot 4)<br>14–15 magenta / green (wheel slot 4)<br>16–17 green (wheel slot 5)<br>18–19 green / orange (wheel slot 5)<br>20–21 orange (wheel slot 6)<br>22–23 orange / blue (wheel slot 6)<br>24–25 blue (wheel slot 7)<br>26–27 blue / pink (wheel slot 7)<br>28–29 pink (wheel slot 8)<br>30–31 pink / hcri (wheel slot 8)<br>32–33 hcri (wheel slot 9)<br>34–63 hcri / white (wheel slot 9)<br>64–76 open (2) (wheel slot 1)<br>77–89 red (wheel slot 2)<br>90–101 yellow (wheel slot 3)<br>102–114 magenta (wheel slot 4)<br>115–127 green (wheel slot 5)<br>128–140 orange (wheel slot 6)<br>141–153 blue (wheel slot 7)<br>154–165 pink (wheel slot 8)<br>166–178 hcri (wheel slot 9)<br>179–191 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 |
| **42** | Cyan | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **43** | Cyan Fine | 0 | Fine byte of Cyan |
| **44** | Magenta | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **45** | Magenta Fine | 0 | Fine byte of Magenta |
| **46** | Yellow | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **47** | Yellow Fine | 0 | Fine byte of Yellow |
| **48** | C TO | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **49** | C TO Fine | 0 | Fine byte of C TO |

## Profile Mode 2 (63 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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 |
| **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** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 5 facet linear (wheel slot 2) |
| **53** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<br>191–191 540<br>192–222 >>><br>223–224 stop<br>225–254 rotate -1__-100%<br>255–255 <<< |
| **54** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |
| **55** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 3 facet circular (wheel slot 2) |
| **56** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<br>191–191 540<br>192–222 >>><br>223–224 stop<br>225–254 rotate -1__-100%<br>255–255 <<< |
| **57** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |

### Profile Mode 2 (63 ch) Frame Mode AB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **58** | 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 |
| **59** | 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 |
| **60** | Dummy | 128 | |
| **61** | Position MSpeed | 0 | 0–3 real time movement<br>4–254 movement fast<br>255–255 movement slow |
| **62** | Global MSpeed | 0 | 0–3 realtime effects<br>4–254 effects fast<br>255–255 effects slow |
| **63** | 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 |

## Profile Mode 2 (63 ch) Frame Mode AB 70%

63 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 | |

## Profile Mode 2 (63 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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 |
| **12** | Zoom Fine | 0 | Fine byte of Zoom |

## Profile Mode 2 (63 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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** | No Feature | 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 1 Nightsky (wheel slot 2)<br>16–23 2 Rotor (wheel slot 3)<br>24–31 3 Crescents (wheel slot 4)<br>32–39 4 Tunnel (wheel slot 5)<br>40–47 5 Bush (wheel slot 6)<br>48–127 6 Bamboo (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 nightsky shake fast (wheel slot 2)<br>143–143 1 nightsky shake slow (wheel slot 2)<br>144–150 2 rotor shake fast (wheel slot 3)<br>151–151 2 rotor shake slow (wheel slot 3)<br>152–158 3 crescents shake fast (wheel slot 4)<br>159–159 3 crescents shake slow (wheel slot 4)<br>160–166 4 tunnel shake fast (wheel slot 5)<br>167–167 4 tunnel shake slow (wheel slot 5)<br>168–174 5 bush shake fast (wheel slot 6)<br>175–175 5 bush shake slow (wheel slot 6)<br>176–190 6 bamboo shake fast (wheel slot 7)<br>191–191 6 bamboo shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Profile Mode 2 (63 ch) Frame Mode AB 70% (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** | Gobo 2 | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Point Line (wheel slot 2)<br>16–23 2 Tiger (wheel slot 3)<br>24–31 3 Silver (wheel slot 4)<br>32–39 4 Turbine (wheel slot 5)<br>40–47 5 Dash horizontal (wheel slot 6)<br>48–127 6 Ornament (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 Point Line shake fast (wheel slot 2)<br>143–143 1 Point Line shake slow (wheel slot 2)<br>144–150 2 Tiger shake fast (wheel slot 3)<br>151–151 2 Tiger shake slow (wheel slot 3)<br>152–158 3 Silver shake fast (wheel slot 4)<br>159–159 3 Silver shake slow (wheel slot 4)<br>160–166 4 Turbine shake fast (wheel slot 5)<br>167–167 4 Turbine shake slow (wheel slot 5)<br>168–174 5 Dash horizontal shake fast (wheel slot 6)<br>175–175 5 Dash horizontal shake slow (wheel slot 6)<br>176–190 6 Ornament shake fast (wheel slot 7)<br>191–191 6 Ornament shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |
| **21** | Gobo Rotation 2 | 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 <<< |
| **22** | Gobo Rotation 2 Fine | 0 | Fine byte of Gobo Rotation 2 |
| **23** | Blade1A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **24** | Blade1A Fine | 0 | Fine byte of Blade1A |

## Profile Mode 2 (63 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Blade1B | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **26** | Blade1B Fine | 0 | Fine byte of Blade1B |
| **27** | Blade2A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **28** | Blade2A Fine | 0 | Fine byte of Blade2A |
| **29** | Blade2B | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **30** | Blade2B Fine | 0 | Fine byte of Blade2B |
| **31** | Blade3A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **32** | Blade3A Fine | 0 | Fine byte of Blade3A |
| **33** | Blade3B | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **34** | Blade3B Fine | 0 | Fine byte of Blade3B |
| **35** | Blade4A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **36** | Blade4A Fine | 0 | Fine byte of Blade4A |

## Profile Mode 2 (63 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **37** | Blade4B | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **38** | Blade4B Fine | 0 | Fine byte of Blade4B |
| **39** | Shaper Rot | 128 | 0–10 -55<br>11–22 -50<br>23–33 -45<br>34–45 -40<br>46–57 -35<br>58–68 -30<br>69–80 -25<br>81–92 -20<br>93–103 -15<br>104–115 -10<br>116–127 -5<br>128–138 0<br>139–150 5<br>151–161 10<br>162–173 15<br>174–185 20<br>186–196 25<br>197–208 30<br>209–220 35<br>221–231 40<br>232–243 45<br>244–254 50<br>255–255 55 |
| **40** | Shaper Rot Fine | 0 | Fine byte of Shaper Rot |

## Profile Mode 2 (63 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **41** | Color Wheel | 0 | 0–1 open (wheel slot 1)<br>2–3 white / red (wheel slot 1)<br>4–5 red (wheel slot 2)<br>6–7 red / yellow (wheel slot 2)<br>8–9 yellow (wheel slot 3)<br>10–11 yellow / magenta (wheel slot 3)<br>12–13 magenta (wheel slot 4)<br>14–15 magenta / green (wheel slot 4)<br>16–17 green (wheel slot 5)<br>18–19 green / orange (wheel slot 5)<br>20–21 orange (wheel slot 6)<br>22–23 orange / blue (wheel slot 6)<br>24–25 blue (wheel slot 7)<br>26–27 blue / pink (wheel slot 7)<br>28–29 pink (wheel slot 8)<br>30–31 pink / hcri (wheel slot 8)<br>32–33 hcri (wheel slot 9)<br>34–63 hcri / white (wheel slot 9)<br>64–76 open (2) (wheel slot 1)<br>77–89 red (wheel slot 2)<br>90–101 yellow (wheel slot 3)<br>102–114 magenta (wheel slot 4)<br>115–127 green (wheel slot 5)<br>128–140 orange (wheel slot 6)<br>141–153 blue (wheel slot 7)<br>154–165 pink (wheel slot 8)<br>166–178 hcri (wheel slot 9)<br>179–191 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 |
| **42** | Cyan | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **43** | Cyan Fine | 0 | Fine byte of Cyan |
| **44** | Magenta | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **45** | Magenta Fine | 0 | Fine byte of Magenta |
| **46** | Yellow | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **47** | Yellow Fine | 0 | Fine byte of Yellow |
| **48** | C TO | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **49** | C TO Fine | 0 | Fine byte of C TO |

## Profile Mode 2 (63 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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 |
| **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** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 5 facet linear (wheel slot 2) |
| **53** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<br>191–191 540<br>192–222 >>><br>223–224 stop<br>225–254 rotate -1__-100%<br>255–255 <<< |
| **54** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |
| **55** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 3 facet circular (wheel slot 2) |
| **56** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<br>191–191 540<br>192–222 >>><br>223–224 stop<br>225–254 rotate -1__-100%<br>255–255 <<< |
| **57** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |

### Profile Mode 2 (63 ch) Frame Mode AB 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **58** | 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 |
| **59** | 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 |
| **60** | Dummy | 128 | |
| **61** | Position MSpeed | 0 | 0–3 real time movement<br>4–254 movement fast<br>255–255 movement slow |
| **62** | Global MSpeed | 0 | 0–3 realtime effects<br>4–254 effects fast<br>255–255 effects slow |
| **63** | 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 |

## Profile Mode 2 (63 ch) Frame Mode MA

63 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 | |

## Profile Mode 2 (63 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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 |
| **12** | Zoom Fine | 0 | Fine byte of Zoom |

## Profile Mode 2 (63 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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** | No Feature | 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 1 Nightsky (wheel slot 2)<br>16–23 2 Rotor (wheel slot 3)<br>24–31 3 Crescents (wheel slot 4)<br>32–39 4 Tunnel (wheel slot 5)<br>40–47 5 Bush (wheel slot 6)<br>48–127 6 Bamboo (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 nightsky shake fast (wheel slot 2)<br>143–143 1 nightsky shake slow (wheel slot 2)<br>144–150 2 rotor shake fast (wheel slot 3)<br>151–151 2 rotor shake slow (wheel slot 3)<br>152–158 3 crescents shake fast (wheel slot 4)<br>159–159 3 crescents shake slow (wheel slot 4)<br>160–166 4 tunnel shake fast (wheel slot 5)<br>167–167 4 tunnel shake slow (wheel slot 5)<br>168–174 5 bush shake fast (wheel slot 6)<br>175–175 5 bush shake slow (wheel slot 6)<br>176–190 6 bamboo shake fast (wheel slot 7)<br>191–191 6 bamboo shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Profile Mode 2 (63 ch) Frame Mode MA (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** | Gobo 2 | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Point Line (wheel slot 2)<br>16–23 2 Tiger (wheel slot 3)<br>24–31 3 Silver (wheel slot 4)<br>32–39 4 Turbine (wheel slot 5)<br>40–47 5 Dash horizontal (wheel slot 6)<br>48–127 6 Ornament (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 Point Line shake fast (wheel slot 2)<br>143–143 1 Point Line shake slow (wheel slot 2)<br>144–150 2 Tiger shake fast (wheel slot 3)<br>151–151 2 Tiger shake slow (wheel slot 3)<br>152–158 3 Silver shake fast (wheel slot 4)<br>159–159 3 Silver shake slow (wheel slot 4)<br>160–166 4 Turbine shake fast (wheel slot 5)<br>167–167 4 Turbine shake slow (wheel slot 5)<br>168–174 5 Dash horizontal shake fast (wheel slot 6)<br>175–175 5 Dash horizontal shake slow (wheel slot 6)<br>176–190 6 Ornament shake fast (wheel slot 7)<br>191–191 6 Ornament shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |
| **21** | Gobo Rotation 2 | 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 <<< |
| **22** | Gobo Rotation 2 Fine | 0 | Fine byte of Gobo Rotation 2 |
| **23** | 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 |
| **24** | Blade1A Fine | 0 | Fine byte of Blade1A |

## Profile Mode 2 (63 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Blade1Rot | 128 | 0–41 max ccw<br>42–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **26** | Blade1Rot Fine | 0 | Fine byte of Blade1Rot |
| **27** | 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 |
| **28** | Blade3A Fine | 0 | Fine byte of Blade3A |
| **29** | Blade3Rot | 128 | 0–41 max cw<br>42–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **30** | Blade3Rot Fine | 0 | Fine byte of Blade3Rot |
| **31** | 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 |
| **32** | Blade2A Fine | 0 | Fine byte of Blade2A |
| **33** | Blade2Rot | 128 | 0–41 max ccw<br>42–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **34** | Blade2Rot Fine | 0 | Fine byte of Blade2Rot |
| **35** | 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 |

## Profile Mode 2 (63 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **36** | Blade4A Fine | 0 | Fine byte of Blade4A |
| **37** | Blade4Rot | 128 | 0–41 max ccw<br>42–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **38** | Blade4Rot Fine | 0 | Fine byte of Blade4Rot |
| **39** | Shaper Rot | 128 | 0–10 -55<br>11–22 -50<br>23–33 -45<br>34–45 -40<br>46–57 -35<br>58–68 -30<br>69–80 -25<br>81–92 -20<br>93–103 -15<br>104–115 -10<br>116–127 -5<br>128–138 0<br>139–150 5<br>151–161 10<br>162–173 15<br>174–185 20<br>186–196 25<br>197–208 30<br>209–220 35<br>221–231 40<br>232–243 45<br>244–254 50<br>255–255 55 |
| **40** | Shaper Rot Fine | 0 | Fine byte of Shaper Rot |

## Profile Mode 2 (63 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **41** | Color Wheel | 0 | 0–1 open (wheel slot 1)<br>2–3 white / red (wheel slot 1)<br>4–5 red (wheel slot 2)<br>6–7 red / yellow (wheel slot 2)<br>8–9 yellow (wheel slot 3)<br>10–11 yellow / magenta (wheel slot 3)<br>12–13 magenta (wheel slot 4)<br>14–15 magenta / green (wheel slot 4)<br>16–17 green (wheel slot 5)<br>18–19 green / orange (wheel slot 5)<br>20–21 orange (wheel slot 6)<br>22–23 orange / blue (wheel slot 6)<br>24–25 blue (wheel slot 7)<br>26–27 blue / pink (wheel slot 7)<br>28–29 pink (wheel slot 8)<br>30–31 pink / hcri (wheel slot 8)<br>32–33 hcri (wheel slot 9)<br>34–63 hcri / white (wheel slot 9)<br>64–76 open (2) (wheel slot 1)<br>77–89 red (wheel slot 2)<br>90–101 yellow (wheel slot 3)<br>102–114 magenta (wheel slot 4)<br>115–127 green (wheel slot 5)<br>128–140 orange (wheel slot 6)<br>141–153 blue (wheel slot 7)<br>154–165 pink (wheel slot 8)<br>166–178 hcri (wheel slot 9)<br>179–191 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 |
| **42** | Cyan | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **43** | Cyan Fine | 0 | Fine byte of Cyan |
| **44** | Magenta | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **45** | Magenta Fine | 0 | Fine byte of Magenta |
| **46** | Yellow | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **47** | Yellow Fine | 0 | Fine byte of Yellow |
| **48** | C TO | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **49** | C TO Fine | 0 | Fine byte of C TO |

## Profile Mode 2 (63 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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 |
| **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** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 5 facet linear (wheel slot 2) |
| **53** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<br>191–191 540<br>192–222 >>><br>223–224 stop<br>225–254 rotate -1__-100%<br>255–255 <<< |
| **54** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |
| **55** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 3 facet circular (wheel slot 2) |
| **56** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<br>191–191 540<br>192–222 >>><br>223–224 stop<br>225–254 rotate -1__-100%<br>255–255 <<< |
| **57** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |

### Profile Mode 2 (63 ch) Frame Mode MA (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **58** | 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 |
| **59** | 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 |
| **60** | Dummy | 128 | |
| **61** | Position MSpeed | 0 | 0–3 real time movement<br>4–254 movement fast<br>255–255 movement slow |
| **62** | Global MSpeed | 0 | 0–3 realtime effects<br>4–254 effects fast<br>255–255 effects slow |
| **63** | 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 |

## Profile Mode 2 (63 ch) Frame Mode MA 70%

63 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 | |

## Profile Mode 2 (63 ch) Frame Mode MA 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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 |
| **12** | Zoom Fine | 0 | Fine byte of Zoom |

## Profile Mode 2 (63 ch) Frame Mode MA 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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** | No Feature | 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 1 Nightsky (wheel slot 2)<br>16–23 2 Rotor (wheel slot 3)<br>24–31 3 Crescents (wheel slot 4)<br>32–39 4 Tunnel (wheel slot 5)<br>40–47 5 Bush (wheel slot 6)<br>48–127 6 Bamboo (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 nightsky shake fast (wheel slot 2)<br>143–143 1 nightsky shake slow (wheel slot 2)<br>144–150 2 rotor shake fast (wheel slot 3)<br>151–151 2 rotor shake slow (wheel slot 3)<br>152–158 3 crescents shake fast (wheel slot 4)<br>159–159 3 crescents shake slow (wheel slot 4)<br>160–166 4 tunnel shake fast (wheel slot 5)<br>167–167 4 tunnel shake slow (wheel slot 5)<br>168–174 5 bush shake fast (wheel slot 6)<br>175–175 5 bush shake slow (wheel slot 6)<br>176–190 6 bamboo shake fast (wheel slot 7)<br>191–191 6 bamboo shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |

## Profile Mode 2 (63 ch) Frame Mode MA 70% (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** | Gobo 2 | 0 | 0–7 open (wheel slot 1)<br>8–15 1 Point Line (wheel slot 2)<br>16–23 2 Tiger (wheel slot 3)<br>24–31 3 Silver (wheel slot 4)<br>32–39 4 Turbine (wheel slot 5)<br>40–47 5 Dash horizontal (wheel slot 6)<br>48–127 6 Ornament (wheel slot 7)<br>128–134 open shake fast (wheel slot 1)<br>135–135 open shake slow (wheel slot 1)<br>136–142 1 Point Line shake fast (wheel slot 2)<br>143–143 1 Point Line shake slow (wheel slot 2)<br>144–150 2 Tiger shake fast (wheel slot 3)<br>151–151 2 Tiger shake slow (wheel slot 3)<br>152–158 3 Silver shake fast (wheel slot 4)<br>159–159 3 Silver shake slow (wheel slot 4)<br>160–166 4 Turbine shake fast (wheel slot 5)<br>167–167 4 Turbine shake slow (wheel slot 5)<br>168–174 5 Dash horizontal shake fast (wheel slot 6)<br>175–175 5 Dash horizontal shake slow (wheel slot 6)<br>176–190 6 Ornament shake fast (wheel slot 7)<br>191–191 6 Ornament shake slow (wheel slot 7)<br>192–222 spin >>> fast<br>223–223 spin >>> slow<br>224–254 spin <<< slow<br>255–255 spin <<< fast |
| **21** | Gobo Rotation 2 | 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 <<< |
| **22** | Gobo Rotation 2 Fine | 0 | Fine byte of Gobo Rotation 2 |
| **23** | Blade1A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **24** | Blade1A Fine | 0 | Fine byte of Blade1A |

## Profile Mode 2 (63 ch) Frame Mode MA 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Blade1Rot | 128 | 0–41 max ccw<br>42–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **26** | Blade1Rot Fine | 0 | Fine byte of Blade1Rot |
| **27** | Blade3A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **28** | Blade3A Fine | 0 | Fine byte of Blade3A |
| **29** | Blade3Rot | 128 | 0–41 max cw<br>42–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **30** | Blade3Rot Fine | 0 | Fine byte of Blade3Rot |
| **31** | Blade2A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **32** | Blade2A Fine | 0 | Fine byte of Blade2A |
| **33** | Blade2Rot | 128 | 0–41 max ccw<br>42–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |
| **34** | Blade2Rot Fine | 0 | Fine byte of Blade2Rot |
| **35** | Blade4A | 0 | 0–35 min<br>36–72 10%<br>73–108 20%<br>109–145 30%<br>146–181 40%<br>182–218 50%<br>219–254 60%<br>255–255 70% |
| **36** | Blade4A Fine | 0 | Fine byte of Blade4A |
| **37** | Blade4Rot | 128 | 0–41 max ccw<br>42–84 -20<br>85–127 -10<br>128–169 zero<br>170–212 10<br>213–254 20<br>255–255 max cw |

## Profile Mode 2 (63 ch) Frame Mode MA 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **38** | Blade4Rot Fine | 0 | Fine byte of Blade4Rot |
| **39** | Shaper Rot | 128 | 0–10 -55<br>11–22 -50<br>23–33 -45<br>34–45 -40<br>46–57 -35<br>58–68 -30<br>69–80 -25<br>81–92 -20<br>93–103 -15<br>104–115 -10<br>116–127 -5<br>128–138 0<br>139–150 5<br>151–161 10<br>162–173 15<br>174–185 20<br>186–196 25<br>197–208 30<br>209–220 35<br>221–231 40<br>232–243 45<br>244–254 50<br>255–255 55 |
| **40** | Shaper Rot Fine | 0 | Fine byte of Shaper Rot |
| **41** | Color Wheel | 0 | 0–1 open (wheel slot 1)<br>2–3 white / red (wheel slot 1)<br>4–5 red (wheel slot 2)<br>6–7 red / yellow (wheel slot 2)<br>8–9 yellow (wheel slot 3)<br>10–11 yellow / magenta (wheel slot 3)<br>12–13 magenta (wheel slot 4)<br>14–15 magenta / green (wheel slot 4)<br>16–17 green (wheel slot 5)<br>18–19 green / orange (wheel slot 5)<br>20–21 orange (wheel slot 6)<br>22–23 orange / blue (wheel slot 6)<br>24–25 blue (wheel slot 7)<br>26–27 blue / pink (wheel slot 7)<br>28–29 pink (wheel slot 8)<br>30–31 pink / hcri (wheel slot 8)<br>32–33 hcri (wheel slot 9)<br>34–63 hcri / white (wheel slot 9)<br>64–76 open (2) (wheel slot 1)<br>77–89 red (wheel slot 2)<br>90–101 yellow (wheel slot 3)<br>102–114 magenta (wheel slot 4)<br>115–127 green (wheel slot 5)<br>128–140 orange (wheel slot 6)<br>141–153 blue (wheel slot 7)<br>154–165 pink (wheel slot 8)<br>166–178 hcri (wheel slot 9)<br>179–191 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 |

## Profile Mode 2 (63 ch) Frame Mode MA 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **42** | Cyan | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **43** | Cyan Fine | 0 | Fine byte of Cyan |
| **44** | Magenta | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **45** | Magenta Fine | 0 | Fine byte of Magenta |
| **46** | Yellow | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **47** | Yellow Fine | 0 | Fine byte of Yellow |
| **48** | C TO | 0 | 0–63 min<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 max |
| **49** | C TO Fine | 0 | Fine byte of C TO |
| **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 |
| **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** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 5 facet linear (wheel slot 2) |

## Profile Mode 2 (63 ch) Frame Mode MA 70% (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **53** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<br>191–191 540<br>192–222 >>><br>223–224 stop<br>225–254 rotate -1__-100%<br>255–255 <<< |
| **54** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |
| **55** | Prism | 0 | 0–7 open (wheel slot 1)<br>8–255 3 facet circular (wheel slot 2) |
| **56** | Prism Rotation | 0 | 0–31 0<br>32–63 90<br>64–95 180<br>96–127 270<br>128–158 360<br>159–190 450<br>191–191 540<br>192–222 >>><br>223–224 stop<br>225–254 rotate -1__-100%<br>255–255 <<< |
| **57** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |
| **58** | 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 |
| **59** | 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 |
| **60** | Dummy | 128 | |
| **61** | Position MSpeed | 0 | 0–3 real time movement<br>4–254 movement fast<br>255–255 movement slow |
| **62** | Global MSpeed | 0 | 0–3 realtime effects<br>4–254 effects fast<br>255–255 effects slow |
| **63** | 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 |