Prolights

# MuseProfile70CTPlus



| | |
|---|---|
| Manufacturer | **Prolights** |
| Type | **Profile spot** |
| DMX modes | **5** |
| DMX footprint | **43, 49, 54 channels** |
| Beam angle | **5.9-49.7°** |
| Pan range | **540°** |
| Tilt range | **270°** |
| Size (W × H × D) | **284 × 545 × 252 mm** |
| GDTF fixture type | **3F2E8495-DC65-4D1B-8047-DE…** |

## Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Gobos · Gobo rotation

## Safety-relevant functions

Strobe

## DMX modes

| | |
|---|---|
| Basic_CTC | 43 ch |
| Advanced_xy | 49 ch |
| Standard_CMY | 49 ch |
| Standard_RGB | 49 ch |
| RAW | 54 ch |

## Basic_CTC

43 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 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 6 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 7 | Shutter / Strobe | 255 | 0–1 Open<br>2–62 Strobe<br>63–64 Open<br>65–125 PulseInStrobe<br>126–127 Closed<br>128–188 PulseOutStrobe<br>189–190 Open<br>191–251 RandomStrobe<br>252–255 Open |
| 8 | C TC | 86 | 0–254 2200K<br>255–255 15000K |
| 9 | C TC Fine | 0 | Fine byte of C TC |
| 10 | Tint | 127 | 0–1 Neutral<br>2–3 FullMinus<br>4–126 MinusGreen<br>127–128 Neutral<br>129–253 PlusGreen<br>254–255 FullPlus |
| 11 | C RIMode | 0 | 0–1 LedMode as Menu<br>2–3 High Output - Lower CRI<br>4–253 Linearly increase CRI<br>254–255 Lower Output - High CRI |
| 12 | Gel Category | 0 | 0–9 NoFeature<br>10–19 LEE Color Correction<br>20–29 LEE Color Filters<br>30–39 LEE 600 Series<br>40–49 LEE Cosmetic Filters<br>50–59 LEE 700 Series<br>60–69 Rosco Color Correction<br>70–79 Rosco CalColor<br>80–89 Rosco Storaro Selection<br>90–99 Rosco Cinelux<br>100–109 Blackout<br>110–255 NoFeature |
| 13 | Gel Selector | 0 | |

## Basic_CTC (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **14** | Color Wheel | 0 | 0–0 Open (wheel slot 1)<br>1–25 Open + Dark Red (wheel slot 1)<br>26–26 Dark Red (wheel slot 2)<br>27–51 Dark Red + Dark Green (wheel slot 2)<br>52–52 Dark Green (wheel slot 3)<br>53–77 Dark Green + Dark Blue (wheel slot 3)<br>78–78 Dark Blue (wheel slot 4)<br>79–103 Dark Magenta + Dark Blue (wheel slot 4)<br>104–104 Dark Magenta (wheel slot 5)<br>105–129 Dark Magenta + Congo Blue (wheel slot 5)<br>130–130 Congo Blue (wheel slot 6)<br>131–155 Congo Blue + Open (wheel slot 6)<br>156–165 Open (wheel slot 1)<br>166–171 Dark Red (wheel slot 2)<br>172–177 Dark Green (wheel slot 3)<br>178–183 Dark Blue (wheel slot 4)<br>184–189 Dark Magenta (wheel slot 5)<br>190–199 Congo Blue (wheel slot 6)<br>200–200 Fast<br>201–223 Fast2Slow<br>224–224 Slow<br>225–230 Stop<br>231–231 Slow<br>232–254 SLow2Fast<br>255–255 Fast |
| **15** | Gobo | 0 | 0–13 Open (wheel slot 1)<br>14–18 Gobo1 (wheel slot 2)<br>19–23 Gobo2 (wheel slot 3)<br>24–28 Gobo3 (wheel slot 4)<br>29–33 Gobo4 (wheel slot 5)<br>34–38 Gobo5 (wheel slot 6)<br>39–43 Gobo6 (wheel slot 7)<br>44–48 Gobo1 (wheel slot 2)<br>49–53 Gobo2 (wheel slot 3)<br>54–58 Gobo3 (wheel slot 4)<br>59–63 Gobo4 (wheel slot 5)<br>64–68 Gobo5 (wheel slot 6)<br>69–73 Gobo6 (wheel slot 7)<br>74–93 Gobo1 (wheel slot 2)<br>94–113 Gobo2 (wheel slot 3)<br>114–133 Gobo3 (wheel slot 4)<br>134–153 Gobo4 (wheel slot 5)<br>154–173 Gobo5 (wheel slot 6)<br>174–193 Gobo6 (wheel slot 7)<br>194–194 Fast CW<br>195–223 Fast to Slow CW<br>224–225 No Rotation<br>226–254 Slow to Fast CCW<br>255–255 Fast CCW |
| **16** | Gobo Rotation | 127 | 0–0 Gobo Index Min<br>1–127 Fast to slow CW<br>128–255 Index Center |
| **17** | Gobo Rotation Fine | 255 | Fine byte of Gobo Rotation |

## Basic_CTC (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Gobo 2 | 0 | 0–13 Open (wheel slot 1)<br>14–18 Gobo1 (wheel slot 2)<br>19–23 Gobo2 (wheel slot 3)<br>24–28 Gobo3 (wheel slot 4)<br>29–33 Gobo4 (wheel slot 5)<br>34–38 Gobo5 (wheel slot 6)<br>39–43 Gobo6 (wheel slot 7)<br>44–48 Gobo1 (wheel slot 2)<br>49–53 Gobo2 (wheel slot 3)<br>54–58 Gobo3 (wheel slot 4)<br>59–63 Gobo4 (wheel slot 5)<br>64–68 Gobo5 (wheel slot 6)<br>69–73 Gobo6 (wheel slot 7)<br>74–93 Gobo1 (wheel slot 2)<br>94–113 Gobo2 (wheel slot 3)<br>114–133 Gobo3 (wheel slot 4)<br>134–153 Gobo4 (wheel slot 5)<br>154–173 Gobo5 (wheel slot 6)<br>174–193 Gobo6 (wheel slot 7)<br>194–194 Fast CW<br>195–223 Fast to Slow CW<br>224–225 No Rotation<br>226–254 Slow to Fast CCW<br>255–255 Fast CCW |
| **19** | Gobo Rotation 2 | 127 | 0–0 Gobo Index Min<br>1–127 Fast to slow CW<br>128–255 Index Center |
| **20** | Gobo Rotation 2 Fine | 255 | Fine byte of Gobo Rotation 2 |
| **21** | Prism | 0 | 0–29 Open (wheel slot 1)<br>30–59 Prism indexing (wheel slot 2)<br>60–89 Prism rotation (wheel slot 2)<br>90–255 Reserved |
| **22** | Prism Rotation | 128 | 0–0 No rotation<br>1–127 Min<br>128–128 Center<br>129–255 Max |
| **23** | Frost1 | 0 | 0–254 Open<br>255–255 Light Frost max |
| **24** | Iris | 0 | 0–0 Iris Open<br>1–126 Large<br>127–127 Small<br>128–129 Iris Close<br>130–153 Fast<br>154–178 Slow<br>179–179 Fast<br>180–203 Slow<br>204–204 Fast<br>205–228 Slow<br>229–229 Fast<br>230–255 NoFeature |
| **25** | Iris Fine | 0 | Fine byte of Iris |
| **26** | Zoom | 128 | 0–254 Narrow<br>255–255 Wide |
| **27** | Zoom Fine | 0 | Fine byte of Zoom |
| **28** | Focus | 128 | 0–126 Min<br>127–254 Mid<br>255–255 Max |
| **29** | Focus Fine | 0 | Fine byte of Focus |

## Basic_CTC (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **30** | Animation System1 | 0 | 0–0 Open (wheel slot 1)<br>1–255 Animation (wheel slot 2) |
| **31** | Animation System1Pos | 0 | 0–126 0 degrees (wheel slot 2)<br>127–127 360 degrees (wheel slot 2)<br>128–189 CW Spin Fast (wheel slot 2)<br>190–190 CW Spin Slow (wheel slot 2)<br>191–192 Stop (wheel slot 2)<br>193–254 CCW Spin Slow (wheel slot 2)<br>255–255 CCW Spin Fast (wheel slot 2) |
| **32** | Blade1A | 0 | 0–254 Out<br>255–255 In |
| **33** | Blade1Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **34** | Blade2A | 0 | 0–254 Out<br>255–255 In |
| **35** | Blade2Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **36** | Blade3A | 0 | 0–254 Out<br>255–255 In |
| **37** | Blade3Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **38** | Blade4A | 0 | 0–254 Out<br>255–255 In |
| **39** | Blade4Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **40** | Shaper Rot | 128 | 0–127 Left to Center<br>128–128 Center<br>129–255 Center To Right |

### Basic_CTC (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **41** | Shaper Macros | 0 | 0–3 NoFeature<br>4–10 1<br>11–17 2<br>18–24 3<br>25–31 4<br>32–38 5<br>39–45 6<br>46–52 7<br>53–59 8<br>60–66 9<br>67–73 10<br>74–80 11<br>81–87 12<br>88–94 13<br>95–101 14<br>102–108 15<br>109–115 16<br>116–122 17<br>123–129 18<br>130–136 19<br>137–143 20<br>144–150 21<br>151–157 22<br>158–164 23<br>165–171 24<br>172–178 25<br>179–185 26<br>186–192 27<br>193–199 28<br>200–206 29<br>207–213 30<br>214–220 31<br>221–227 32<br>228–234 33<br>235–241 34<br>242–248 35<br>249–255 36 |
| **42** | Shaper Macros Speed | 0 | 0–254 Slow<br>255–255 Fast |
| **43** | Control1 | 0 | |

## Advanced_xy

49 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** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **6** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Advanced_xy (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | Shutter / Strobe | 255 | 0–1 Open<br>2–62 Strobe<br>63–64 Open<br>65–125 PulseInStrobe<br>126–127 Closed<br>128–188 PulseOutStrobe<br>189–190 Open<br>191–251 RandomStrobe<br>252–255 Open |
| **8** | C IEX | 93 | |
| **9** | C IEX Fine | 2 | Fine byte of C IEX |
| **10** | C IEY | 93 | |
| **11** | C IEY Fine | 2 | Fine byte of C IEY |
| **12** | C TCXY | 255 | 0–254 CCT<br>255–255 XY |
| **13** | C TC | 86 | 0–254 2200K<br>255–255 15000K |
| **14** | C TC Fine | 0 | Fine byte of C TC |
| **15** | Tint | 127 | 0–1 Neutral<br>2–3 FullMinus<br>4–126 MinusGreen<br>127–128 Neutral<br>129–253 PlusGreen<br>254–255 FullPlus |
| **16** | C RIMode | 0 | 0–1 LedMode as Menu<br>2–3 High Output - Lower CRI<br>4–253 Linearly increase CRI<br>254–255 Lower Output - High CRI |
| **17** | Gel Category | 255 | 0–9 NoFeature<br>10–19 LEE Color Correction<br>20–29 LEE Color Filters<br>30–39 LEE 600 Series<br>40–49 LEE Cosmetic Filters<br>50–59 LEE 700 Series<br>60–69 Rosco Color Correction<br>70–79 Rosco CalColor<br>80–89 Rosco Storaro Selection<br>90–99 Rosco Cinelux<br>100–109 Blackout<br>110–255 NoFeature |
| **18** | Gel Selector | 0 | |

## Advanced_xy (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **19** | Color Wheel | 0 | 0–0 Open (wheel slot 1)<br>1–25 Open + Dark Red (wheel slot 1)<br>26–26 Dark Red (wheel slot 2)<br>27–51 Dark Red + Dark Green (wheel slot 2)<br>52–52 Dark Green (wheel slot 3)<br>53–77 Dark Green + Dark Blue (wheel slot 3)<br>78–78 Dark Blue (wheel slot 4)<br>79–103 Dark Magenta + Dark Blue (wheel slot 4)<br>104–104 Dark Magenta (wheel slot 5)<br>105–129 Dark Magenta + Congo Blue (wheel slot 5)<br>130–130 Congo Blue (wheel slot 6)<br>131–155 Congo Blue + Open (wheel slot 6)<br>156–165 Open (wheel slot 1)<br>166–171 Dark Red (wheel slot 2)<br>172–177 Dark Green (wheel slot 3)<br>178–183 Dark Blue (wheel slot 4)<br>184–189 Dark Magenta (wheel slot 5)<br>190–199 Congo Blue (wheel slot 6)<br>200–200 Fast<br>201–223 Fast2Slow<br>224–224 Slow<br>225–230 Stop<br>231–231 Slow<br>232–254 SLow2Fast<br>255–255 Fast |
| **20** | Gobo | 0 | 0–13 Open (wheel slot 1)<br>14–18 Gobo1 (wheel slot 2)<br>19–23 Gobo2 (wheel slot 3)<br>24–28 Gobo3 (wheel slot 4)<br>29–33 Gobo4 (wheel slot 5)<br>34–38 Gobo5 (wheel slot 6)<br>39–43 Gobo6 (wheel slot 7)<br>44–48 Gobo1 (wheel slot 2)<br>49–53 Gobo2 (wheel slot 3)<br>54–58 Gobo3 (wheel slot 4)<br>59–63 Gobo4 (wheel slot 5)<br>64–68 Gobo5 (wheel slot 6)<br>69–73 Gobo6 (wheel slot 7)<br>74–93 Gobo1 (wheel slot 2)<br>94–113 Gobo2 (wheel slot 3)<br>114–133 Gobo3 (wheel slot 4)<br>134–153 Gobo4 (wheel slot 5)<br>154–173 Gobo5 (wheel slot 6)<br>174–193 Gobo6 (wheel slot 7)<br>194–194 Fast CW<br>195–223 Fast to Slow CW<br>224–225 No Rotation<br>226–254 Slow to Fast CCW<br>255–255 Fast CCW |
| **21** | Gobo Rotation | 127 | 0–0 Gobo Index Min<br>1–127 Fast to slow CW<br>128–255 Index Center |
| **22** | Gobo Rotation Fine | 255 | Fine byte of Gobo Rotation |

## Advanced_xy (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **23** | Gobo 2 | 0 | 0–13 Open (wheel slot 1)<br>14–18 Gobo1 (wheel slot 2)<br>19–23 Gobo2 (wheel slot 3)<br>24–28 Gobo3 (wheel slot 4)<br>29–33 Gobo4 (wheel slot 5)<br>34–38 Gobo5 (wheel slot 6)<br>39–43 Gobo6 (wheel slot 7)<br>44–48 Gobo1 (wheel slot 2)<br>49–53 Gobo2 (wheel slot 3)<br>54–58 Gobo3 (wheel slot 4)<br>59–63 Gobo4 (wheel slot 5)<br>64–68 Gobo5 (wheel slot 6)<br>69–73 Gobo6 (wheel slot 7)<br>74–93 Gobo1 (wheel slot 2)<br>94–113 Gobo2 (wheel slot 3)<br>114–133 Gobo3 (wheel slot 4)<br>134–153 Gobo4 (wheel slot 5)<br>154–173 Gobo5 (wheel slot 6)<br>174–193 Gobo6 (wheel slot 7)<br>194–194 Fast CW<br>195–223 Fast to Slow CW<br>224–225 No Rotation<br>226–254 Slow to Fast CCW<br>255–255 Fast CCW |
| **24** | Gobo Rotation 2 | 127 | 0–0 Gobo Index Min<br>1–127 Fast to slow CW<br>128–255 Index Center |
| **25** | Gobo Rotation 2 Fine | 255 | Fine byte of Gobo Rotation 2 |
| **26** | Prism | 0 | 0–29 Open (wheel slot 1)<br>30–59 Prism indexing (wheel slot 2)<br>60–89 Prism rotation (wheel slot 2)<br>90–255 Reserved |
| **27** | Prism Rotation | 128 | 0–0 No rotation<br>1–127 Min<br>128–128 Center<br>129–255 Max |
| **28** | Frost1 | 0 | 0–254 Open<br>255–255 Light Frost max |
| **29** | Iris | 0 | 0–0 Iris Open<br>1–126 Large<br>127–127 Small<br>128–129 Iris Close<br>130–153 Fast<br>154–178 Slow<br>179–179 Fast<br>180–203 Slow<br>204–204 Fast<br>205–228 Slow<br>229–229 Fast<br>230–255 NoFeature |
| **30** | Iris Fine | 0 | Fine byte of Iris |
| **31** | Zoom | 128 | 0–254 Narrow<br>255–255 Wide |
| **32** | Zoom Fine | 0 | Fine byte of Zoom |
| **33** | Focus | 128 | 0–126 Min<br>127–254 Mid<br>255–255 Max |
| **34** | Focus Fine | 0 | Fine byte of Focus |

## Advanced_xy (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **35** | Animation System1 | 0 | 0–0 Open (wheel slot 1)<br>1–255 Animation (wheel slot 2) |
| **36** | Animation System1Pos | 0 | 0–126 0 degrees (wheel slot 2)<br>127–127 360 degrees (wheel slot 2)<br>128–189 CW Spin Fast (wheel slot 2)<br>190–190 CW Spin Slow (wheel slot 2)<br>191–192 Stop (wheel slot 2)<br>193–254 CCW Spin Slow (wheel slot 2)<br>255–255 CCW Spin Fast (wheel slot 2) |
| **37** | Blade1A | 0 | 0–254 Out<br>255–255 In |
| **38** | Blade1Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **39** | Blade2A | 0 | 0–254 Out<br>255–255 In |
| **40** | Blade2Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **41** | Blade3A | 0 | 0–254 Out<br>255–255 In |
| **42** | Blade3Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **43** | Blade4A | 0 | 0–254 Out<br>255–255 In |
| **44** | Blade4Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **45** | Shaper Rot | 128 | 0–127 Left to Center<br>128–128 Center<br>129–255 Center To Right |

### Advanced_xy (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **46** | Shaper Macros | 0 | 0–3 NoFeature<br>4–10 1<br>11–17 2<br>18–24 3<br>25–31 4<br>32–38 5<br>39–45 6<br>46–52 7<br>53–59 8<br>60–66 9<br>67–73 10<br>74–80 11<br>81–87 12<br>88–94 13<br>95–101 14<br>102–108 15<br>109–115 16<br>116–122 17<br>123–129 18<br>130–136 19<br>137–143 20<br>144–150 21<br>151–157 22<br>158–164 23<br>165–171 24<br>172–178 25<br>179–185 26<br>186–192 27<br>193–199 28<br>200–206 29<br>207–213 30<br>214–220 31<br>221–227 32<br>228–234 33<br>235–241 34<br>242–248 35<br>249–255 36 |
| **47** | Shaper Macros Speed | 0 | 0–254 Slow<br>255–255 Fast |
| **48** | Reserved 48 | 0 | |
| **49** | Control1 | 0 | |

## Standard_CMY

49 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** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **6** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Standard_CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | Shutter / Strobe | 255 | 0–1 Open<br>2–62 Strobe<br>63–64 Open<br>65–125 PulseInStrobe<br>126–127 Closed<br>128–188 PulseOutStrobe<br>189–190 Open<br>191–251 RandomStrobe<br>252–255 Open |
| **8** | Cyan | 0 | |
| **9** | Cyan Fine | 0 | Fine byte of Cyan |
| **10** | Magenta | 0 | |
| **11** | Magenta Fine | 0 | Fine byte of Magenta |
| **12** | Yellow | 0 | |
| **13** | Yellow Fine | 0 | Fine byte of Yellow |
| **14** | C TCCOLORS | 255 | 0–254 CCT<br>255–255 RAW COLORS |
| **15** | C TC | 86 | 0–254 2200K<br>255–255 15000K |
| **16** | C TC Fine | 0 | Fine byte of C TC |
| **17** | Tint | 127 | 0–1 Neutral<br>2–3 FullMinus<br>4–126 MinusGreen<br>127–128 Neutral<br>129–253 PlusGreen<br>254–255 FullPlus |
| **18** | C RIMode | 0 | 0–1 LedMode as Menu<br>2–3 High Output - Lower CRI<br>4–253 Linearly increase CRI<br>254–255 Lower Output - High CRI |
| **19** | Color Macro1 | 0 | |
| **20** | Color Wheel | 0 | 0–0 Open (wheel slot 1)<br>1–25 Open + Dark Red (wheel slot 1)<br>26–26 Dark Red (wheel slot 2)<br>27–51 Dark Red + Dark Green (wheel slot 2)<br>52–52 Dark Green (wheel slot 3)<br>53–77 Dark Green + Dark Blue (wheel slot 3)<br>78–78 Dark Blue (wheel slot 4)<br>79–103 Dark Magenta + Dark Blue (wheel slot 4)<br>104–104 Dark Magenta (wheel slot 5)<br>105–129 Dark Magenta + Congo Blue (wheel slot 5)<br>130–130 Congo Blue (wheel slot 6)<br>131–155 Congo Blue + Open (wheel slot 6)<br>156–165 Open (wheel slot 1)<br>166–171 Dark Red (wheel slot 2)<br>172–177 Dark Green (wheel slot 3)<br>178–183 Dark Blue (wheel slot 4)<br>184–189 Dark Magenta (wheel slot 5)<br>190–199 Congo Blue (wheel slot 6)<br>200–200 Fast<br>201–223 Fast2Slow<br>224–224 Slow<br>225–230 Stop<br>231–231 Slow<br>232–254 SLow2Fast<br>255–255 Fast |

## Standard_CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Gobo | 0 | 0–13 Open (wheel slot 1)<br>14–18 Gobo1 (wheel slot 2)<br>19–23 Gobo2 (wheel slot 3)<br>24–28 Gobo3 (wheel slot 4)<br>29–33 Gobo4 (wheel slot 5)<br>34–38 Gobo5 (wheel slot 6)<br>39–43 Gobo6 (wheel slot 7)<br>44–48 Gobo1 (wheel slot 2)<br>49–53 Gobo2 (wheel slot 3)<br>54–58 Gobo3 (wheel slot 4)<br>59–63 Gobo4 (wheel slot 5)<br>64–68 Gobo5 (wheel slot 6)<br>69–73 Gobo6 (wheel slot 7)<br>74–93 Gobo1 (wheel slot 2)<br>94–113 Gobo2 (wheel slot 3)<br>114–133 Gobo3 (wheel slot 4)<br>134–153 Gobo4 (wheel slot 5)<br>154–173 Gobo5 (wheel slot 6)<br>174–193 Gobo6 (wheel slot 7)<br>194–194 Fast CW<br>195–223 Fast to Slow CW<br>224–225 No Rotation<br>226–254 Slow to Fast CCW<br>255–255 Fast CCW |
| **22** | Gobo Rotation | 127 | 0–0 Gobo Index Min<br>1–127 Fast to slow CW<br>128–255 Index Center |
| **23** | Gobo Rotation Fine | 255 | Fine byte of Gobo Rotation |
| **24** | Gobo 2 | 0 | 0–13 Open (wheel slot 1)<br>14–18 Gobo1 (wheel slot 2)<br>19–23 Gobo2 (wheel slot 3)<br>24–28 Gobo3 (wheel slot 4)<br>29–33 Gobo4 (wheel slot 5)<br>34–38 Gobo5 (wheel slot 6)<br>39–43 Gobo6 (wheel slot 7)<br>44–48 Gobo1 (wheel slot 2)<br>49–53 Gobo2 (wheel slot 3)<br>54–58 Gobo3 (wheel slot 4)<br>59–63 Gobo4 (wheel slot 5)<br>64–68 Gobo5 (wheel slot 6)<br>69–73 Gobo6 (wheel slot 7)<br>74–93 Gobo1 (wheel slot 2)<br>94–113 Gobo2 (wheel slot 3)<br>114–133 Gobo3 (wheel slot 4)<br>134–153 Gobo4 (wheel slot 5)<br>154–173 Gobo5 (wheel slot 6)<br>174–193 Gobo6 (wheel slot 7)<br>194–194 Fast CW<br>195–223 Fast to Slow CW<br>224–225 No Rotation<br>226–254 Slow to Fast CCW<br>255–255 Fast CCW |
| **25** | Gobo Rotation 2 | 127 | 0–0 Gobo Index Min<br>1–127 Fast to slow CW<br>128–255 Index Center |
| **26** | Gobo Rotation 2 Fine | 255 | Fine byte of Gobo Rotation 2 |
| **27** | Prism | 0 | 0–29 Open (wheel slot 1)<br>30–59 Prism indexing (wheel slot 2)<br>60–89 Prism rotation (wheel slot 2)<br>90–255 Reserved |

## Standard_CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **28** | Prism Rotation | 128 | 0–0 No rotation<br>1–127 Min<br>128–128 Center<br>129–255 Max |
| **29** | Frost1 | 0 | 0–254 Open<br>255–255 Light Frost max |
| **30** | Iris | 0 | 0–0 Iris Open<br>1–126 Large<br>127–127 Small<br>128–129 Iris Close<br>130–153 Fast<br>154–178 Slow<br>179–179 Fast<br>180–203 Slow<br>204–204 Fast<br>205–228 Slow<br>229–229 Fast<br>230–255 NoFeature |
| **31** | Iris Fine | 0 | Fine byte of Iris |
| **32** | Zoom | 128 | 0–254 Narrow<br>255–255 Wide |
| **33** | Zoom Fine | 0 | Fine byte of Zoom |
| **34** | Focus | 128 | 0–126 Min<br>127–254 Mid<br>255–255 Max |
| **35** | Focus Fine | 0 | Fine byte of Focus |
| **36** | Animation System1 | 0 | 0–0 Open (wheel slot 1)<br>1–255 Animation (wheel slot 2) |
| **37** | Animation System1Pos | 0 | 0–126 0 degrees (wheel slot 2)<br>127–127 360 degrees (wheel slot 2)<br>128–189 CW Spin Fast (wheel slot 2)<br>190–190 CW Spin Slow (wheel slot 2)<br>191–192 Stop (wheel slot 2)<br>193–254 CCW Spin Slow (wheel slot 2)<br>255–255 CCW Spin Fast (wheel slot 2) |
| **38** | Blade1A | 0 | 0–254 Out<br>255–255 In |
| **39** | Blade1Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **40** | Blade2A | 0 | 0–254 Out<br>255–255 In |
| **41** | Blade2Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **42** | Blade3A | 0 | 0–254 Out<br>255–255 In |
| **43** | Blade3Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **44** | Blade4A | 0 | 0–254 Out<br>255–255 In |
| **45** | Blade4Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |

### Standard_CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **46** | Shaper Rot | 128 | 0–127 Left to Center<br>128–128 Center<br>129–255 Center To Right |
| **47** | Shaper Macros | 0 | 0–3 NoFeature<br>4–10 1<br>11–17 2<br>18–24 3<br>25–31 4<br>32–38 5<br>39–45 6<br>46–52 7<br>53–59 8<br>60–66 9<br>67–73 10<br>74–80 11<br>81–87 12<br>88–94 13<br>95–101 14<br>102–108 15<br>109–115 16<br>116–122 17<br>123–129 18<br>130–136 19<br>137–143 20<br>144–150 21<br>151–157 22<br>158–164 23<br>165–171 24<br>172–178 25<br>179–185 26<br>186–192 27<br>193–199 28<br>200–206 29<br>207–213 30<br>214–220 31<br>221–227 32<br>228–234 33<br>235–241 34<br>242–248 35<br>249–255 36 |
| **48** | Shaper Macros Speed | 0 | 0–254 Slow<br>255–255 Fast |
| **49** | Control1 | 0 | |

## Standard_RGB

49 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** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **6** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Standard_RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | Shutter / Strobe | 255 | 0–1 Open<br>2–62 Strobe<br>63–64 Open<br>65–125 PulseInStrobe<br>126–127 Closed<br>128–188 PulseOutStrobe<br>189–190 Open<br>191–251 RandomStrobe<br>252–255 Open |
| **8** | Red | 255 | |
| **9** | Red Fine | 255 | Fine byte of Red |
| **10** | Green | 255 | |
| **11** | Green Fine | 255 | Fine byte of Green |
| **12** | Blue | 255 | |
| **13** | Blue Fine | 255 | Fine byte of Blue |
| **14** | C TCCOLORS | 255 | 0–254 CCT<br>255–255 RAW COLORS |
| **15** | C TC | 86 | 0–254 2200K<br>255–255 15000K |
| **16** | C TC Fine | 0 | Fine byte of C TC |
| **17** | Tint | 127 | 0–1 Neutral<br>2–3 FullMinus<br>4–126 MinusGreen<br>127–128 Neutral<br>129–253 PlusGreen<br>254–255 FullPlus |
| **18** | C RIMode | 0 | 0–1 LedMode as Menu<br>2–3 High Output - Lower CRI<br>4–253 Linearly increase CRI<br>254–255 Lower Output - High CRI |
| **19** | Color Macro1 | 0 | |
| **20** | Color Wheel | 0 | 0–0 Open (wheel slot 1)<br>1–25 Open + Dark Red (wheel slot 1)<br>26–26 Dark Red (wheel slot 2)<br>27–51 Dark Red + Dark Green (wheel slot 2)<br>52–52 Dark Green (wheel slot 3)<br>53–77 Dark Green + Dark Blue (wheel slot 3)<br>78–78 Dark Blue (wheel slot 4)<br>79–103 Dark Magenta + Dark Blue (wheel slot 4)<br>104–104 Dark Magenta (wheel slot 5)<br>105–129 Dark Magenta + Congo Blue (wheel slot 5)<br>130–130 Congo Blue (wheel slot 6)<br>131–155 Congo Blue + Open (wheel slot 6)<br>156–165 Open (wheel slot 1)<br>166–171 Dark Red (wheel slot 2)<br>172–177 Dark Green (wheel slot 3)<br>178–183 Dark Blue (wheel slot 4)<br>184–189 Dark Magenta (wheel slot 5)<br>190–199 Congo Blue (wheel slot 6)<br>200–200 Fast<br>201–223 Fast2Slow<br>224–224 Slow<br>225–230 Stop<br>231–231 Slow<br>232–254 SLow2Fast<br>255–255 Fast |

## Standard_RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Gobo | 0 | 0–13 Open (wheel slot 1)<br>14–18 Gobo1 (wheel slot 2)<br>19–23 Gobo2 (wheel slot 3)<br>24–28 Gobo3 (wheel slot 4)<br>29–33 Gobo4 (wheel slot 5)<br>34–38 Gobo5 (wheel slot 6)<br>39–43 Gobo6 (wheel slot 7)<br>44–48 Gobo1 (wheel slot 2)<br>49–53 Gobo2 (wheel slot 3)<br>54–58 Gobo3 (wheel slot 4)<br>59–63 Gobo4 (wheel slot 5)<br>64–68 Gobo5 (wheel slot 6)<br>69–73 Gobo6 (wheel slot 7)<br>74–93 Gobo1 (wheel slot 2)<br>94–113 Gobo2 (wheel slot 3)<br>114–133 Gobo3 (wheel slot 4)<br>134–153 Gobo4 (wheel slot 5)<br>154–173 Gobo5 (wheel slot 6)<br>174–193 Gobo6 (wheel slot 7)<br>194–194 Fast CW<br>195–223 Fast to Slow CW<br>224–225 No Rotation<br>226–254 Slow to Fast CCW<br>255–255 Fast CCW |
| **22** | Gobo Rotation | 127 | 0–0 Gobo Index Min<br>1–127 Fast to slow CW<br>128–255 Index Center |
| **23** | Gobo Rotation Fine | 255 | Fine byte of Gobo Rotation |
| **24** | Gobo 2 | 0 | 0–13 Open (wheel slot 1)<br>14–18 Gobo1 (wheel slot 2)<br>19–23 Gobo2 (wheel slot 3)<br>24–28 Gobo3 (wheel slot 4)<br>29–33 Gobo4 (wheel slot 5)<br>34–38 Gobo5 (wheel slot 6)<br>39–43 Gobo6 (wheel slot 7)<br>44–48 Gobo1 (wheel slot 2)<br>49–53 Gobo2 (wheel slot 3)<br>54–58 Gobo3 (wheel slot 4)<br>59–63 Gobo4 (wheel slot 5)<br>64–68 Gobo5 (wheel slot 6)<br>69–73 Gobo6 (wheel slot 7)<br>74–93 Gobo1 (wheel slot 2)<br>94–113 Gobo2 (wheel slot 3)<br>114–133 Gobo3 (wheel slot 4)<br>134–153 Gobo4 (wheel slot 5)<br>154–173 Gobo5 (wheel slot 6)<br>174–193 Gobo6 (wheel slot 7)<br>194–194 Fast CW<br>195–223 Fast to Slow CW<br>224–225 No Rotation<br>226–254 Slow to Fast CCW<br>255–255 Fast CCW |
| **25** | Gobo Rotation 2 | 127 | 0–0 Gobo Index Min<br>1–127 Fast to slow CW<br>128–255 Index Center |
| **26** | Gobo Rotation 2 Fine | 255 | Fine byte of Gobo Rotation 2 |
| **27** | Prism | 0 | 0–29 Open (wheel slot 1)<br>30–59 Prism indexing (wheel slot 2)<br>60–89 Prism rotation (wheel slot 2)<br>90–255 Reserved |

## Standard_RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **28** | Prism Rotation | 128 | 0–0 No rotation<br>1–127 Min<br>128–128 Center<br>129–255 Max |
| **29** | Frost1 | 0 | 0–254 Open<br>255–255 Light Frost max |
| **30** | Iris | 0 | 0–0 Iris Open<br>1–126 Large<br>127–127 Small<br>128–129 Iris Close<br>130–153 Fast<br>154–178 Slow<br>179–179 Fast<br>180–203 Slow<br>204–204 Fast<br>205–228 Slow<br>229–229 Fast<br>230–255 NoFeature |
| **31** | Iris Fine | 0 | Fine byte of Iris |
| **32** | Zoom | 128 | 0–254 Narrow<br>255–255 Wide |
| **33** | Zoom Fine | 0 | Fine byte of Zoom |
| **34** | Focus | 128 | 0–126 Min<br>127–254 Mid<br>255–255 Max |
| **35** | Focus Fine | 0 | Fine byte of Focus |
| **36** | Animation System1 | 0 | 0–0 Open (wheel slot 1)<br>1–255 Animation (wheel slot 2) |
| **37** | Animation System1Pos | 0 | 0–126 0 degrees (wheel slot 2)<br>127–127 360 degrees (wheel slot 2)<br>128–189 CW Spin Fast (wheel slot 2)<br>190–190 CW Spin Slow (wheel slot 2)<br>191–192 Stop (wheel slot 2)<br>193–254 CCW Spin Slow (wheel slot 2)<br>255–255 CCW Spin Fast (wheel slot 2) |
| **38** | Blade1A | 0 | 0–254 Out<br>255–255 In |
| **39** | Blade1Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **40** | Blade2A | 0 | 0–254 Out<br>255–255 In |
| **41** | Blade2Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **42** | Blade3A | 0 | 0–254 Out<br>255–255 In |
| **43** | Blade3Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **44** | Blade4A | 0 | 0–254 Out<br>255–255 In |
| **45** | Blade4Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |

### Standard_RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **46** | Shaper Rot | 128 | 0–127 Left to Center<br>128–128 Center<br>129–255 Center To Right |
| **47** | Shaper Macros | 0 | 0–3 NoFeature<br>4–10 1<br>11–17 2<br>18–24 3<br>25–31 4<br>32–38 5<br>39–45 6<br>46–52 7<br>53–59 8<br>60–66 9<br>67–73 10<br>74–80 11<br>81–87 12<br>88–94 13<br>95–101 14<br>102–108 15<br>109–115 16<br>116–122 17<br>123–129 18<br>130–136 19<br>137–143 20<br>144–150 21<br>151–157 22<br>158–164 23<br>165–171 24<br>172–178 25<br>179–185 26<br>186–192 27<br>193–199 28<br>200–206 29<br>207–213 30<br>214–220 31<br>221–227 32<br>228–234 33<br>235–241 34<br>242–248 35<br>249–255 36 |
| **48** | Shaper Macros Speed | 0 | 0–254 Slow<br>255–255 Fast |
| **49** | Control1 | 0 | |

## RAW

54 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** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **6** | Dimmer Fine | 0 | Fine byte of Dimmer |

## RAW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | Shutter / Strobe | 255 | 0–1 Open<br>2–62 Strobe<br>63–64 Open<br>65–125 PulseInStrobe<br>126–127 Closed<br>128–188 PulseOutStrobe<br>189–190 Open<br>191–251 RandomStrobe<br>252–255 Open |
| **8** | Red | 255 | |
| **9** | Red Fine | 255 | Fine byte of Red |
| **10** | Green | 255 | |
| **11** | Green Fine | 255 | Fine byte of Green |
| **12** | Blue | 255 | |
| **13** | Blue Fine | 255 | Fine byte of Blue |
| **14** | Color Add C | 255 | |
| **15** | Color Add C Fine | 255 | Fine byte of Color Add C |
| **16** | Color Add GY | 255 | |
| **17** | Color Add GY Fine | 255 | Fine byte of Color Add GY |
| **18** | Color Add RY | 255 | |
| **19** | Color Add RY Fine | 255 | Fine byte of Color Add RY |
| **20** | C TCCOLORS | 255 | 0–254 CCT<br>255–255 RAW COLORS |
| **21** | C TC | 86 | 0–254 2200K<br>255–255 15000K |
| **22** | C TC Fine | 0 | Fine byte of C TC |
| **23** | Tint | 127 | 0–1 Neutral<br>2–3 FullMinus<br>4–126 MinusGreen<br>127–128 Neutral<br>129–253 PlusGreen<br>254–255 FullPlus |
| **24** | C RIMode | 0 | 0–1 LedMode as Menu<br>2–3 High Output - Lower CRI<br>4–253 Linearly increase CRI<br>254–255 Lower Output - High CRI |

## RAW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Color Wheel | 0 | 0–0 Open (wheel slot 1)<br>1–25 Open + Dark Red (wheel slot 1)<br>26–26 Dark Red (wheel slot 2)<br>27–51 Dark Red + Dark Green (wheel slot 2)<br>52–52 Dark Green (wheel slot 3)<br>53–77 Dark Green + Dark Blue (wheel slot 3)<br>78–78 Dark Blue (wheel slot 4)<br>79–103 Dark Magenta + Dark Blue (wheel slot 4)<br>104–104 Dark Magenta (wheel slot 5)<br>105–129 Dark Magenta + Congo Blue (wheel slot 5)<br>130–130 Congo Blue (wheel slot 6)<br>131–155 Congo Blue + Open (wheel slot 6)<br>156–165 Open (wheel slot 1)<br>166–171 Dark Red (wheel slot 2)<br>172–177 Dark Green (wheel slot 3)<br>178–183 Dark Blue (wheel slot 4)<br>184–189 Dark Magenta (wheel slot 5)<br>190–199 Congo Blue (wheel slot 6)<br>200–200 Fast<br>201–223 Fast2Slow<br>224–224 Slow<br>225–230 Stop<br>231–231 Slow<br>232–254 SLow2Fast<br>255–255 Fast |
| **26** | Gobo | 0 | 0–13 Open (wheel slot 1)<br>14–18 Gobo1 (wheel slot 2)<br>19–23 Gobo2 (wheel slot 3)<br>24–28 Gobo3 (wheel slot 4)<br>29–33 Gobo4 (wheel slot 5)<br>34–38 Gobo5 (wheel slot 6)<br>39–43 Gobo6 (wheel slot 7)<br>44–48 Gobo1 (wheel slot 2)<br>49–53 Gobo2 (wheel slot 3)<br>54–58 Gobo3 (wheel slot 4)<br>59–63 Gobo4 (wheel slot 5)<br>64–68 Gobo5 (wheel slot 6)<br>69–73 Gobo6 (wheel slot 7)<br>74–93 Gobo1 (wheel slot 2)<br>94–113 Gobo2 (wheel slot 3)<br>114–133 Gobo3 (wheel slot 4)<br>134–153 Gobo4 (wheel slot 5)<br>154–173 Gobo5 (wheel slot 6)<br>174–193 Gobo6 (wheel slot 7)<br>194–194 Fast CW<br>195–223 Fast to Slow CW<br>224–225 No Rotation<br>226–254 Slow to Fast CCW<br>255–255 Fast CCW |
| **27** | Gobo Rotation | 127 | 0–0 Gobo Index Min<br>1–127 Fast to slow CW<br>128–255 Index Center |
| **28** | Gobo Rotation Fine | 255 | Fine byte of Gobo Rotation |

## RAW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **29** | Gobo 2 | 0 | 0–13 Open (wheel slot 1)<br>14–18 Gobo1 (wheel slot 2)<br>19–23 Gobo2 (wheel slot 3)<br>24–28 Gobo3 (wheel slot 4)<br>29–33 Gobo4 (wheel slot 5)<br>34–38 Gobo5 (wheel slot 6)<br>39–43 Gobo6 (wheel slot 7)<br>44–48 Gobo1 (wheel slot 2)<br>49–53 Gobo2 (wheel slot 3)<br>54–58 Gobo3 (wheel slot 4)<br>59–63 Gobo4 (wheel slot 5)<br>64–68 Gobo5 (wheel slot 6)<br>69–73 Gobo6 (wheel slot 7)<br>74–93 Gobo1 (wheel slot 2)<br>94–113 Gobo2 (wheel slot 3)<br>114–133 Gobo3 (wheel slot 4)<br>134–153 Gobo4 (wheel slot 5)<br>154–173 Gobo5 (wheel slot 6)<br>174–193 Gobo6 (wheel slot 7)<br>194–194 Fast CW<br>195–223 Fast to Slow CW<br>224–225 No Rotation<br>226–254 Slow to Fast CCW<br>255–255 Fast CCW |
| **30** | Gobo Rotation 2 | 127 | 0–0 Gobo Index Min<br>1–127 Fast to slow CW<br>128–255 Index Center |
| **31** | Gobo Rotation 2 Fine | 255 | Fine byte of Gobo Rotation 2 |
| **32** | Prism | 0 | 0–29 Open (wheel slot 1)<br>30–59 Prism indexing (wheel slot 2)<br>60–89 Prism rotation (wheel slot 2)<br>90–255 Reserved |
| **33** | Prism Rotation | 128 | 0–0 No rotation<br>1–127 Min<br>128–128 Center<br>129–255 Max |
| **34** | Frost1 | 0 | 0–254 Open<br>255–255 Light Frost max |
| **35** | Iris | 0 | 0–0 Iris Open<br>1–126 Large<br>127–127 Small<br>128–129 Iris Close<br>130–153 Fast<br>154–178 Slow<br>179–179 Fast<br>180–203 Slow<br>204–204 Fast<br>205–228 Slow<br>229–229 Fast<br>230–255 NoFeature |
| **36** | Iris Fine | 0 | Fine byte of Iris |
| **37** | Zoom | 128 | 0–254 Narrow<br>255–255 Wide |
| **38** | Zoom Fine | 0 | Fine byte of Zoom |
| **39** | Focus | 128 | 0–126 Min<br>127–254 Mid<br>255–255 Max |
| **40** | Focus Fine | 0 | Fine byte of Focus |

## RAW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **41** | Animation System1 | 0 | 0–0 Open (wheel slot 1)<br>1–255 Animation (wheel slot 2) |
| **42** | Animation System1Pos | 0 | 0–126 0 degrees (wheel slot 2)<br>127–127 360 degrees (wheel slot 2)<br>128–189 CW Spin Fast (wheel slot 2)<br>190–190 CW Spin Slow (wheel slot 2)<br>191–192 Stop (wheel slot 2)<br>193–254 CCW Spin Slow (wheel slot 2)<br>255–255 CCW Spin Fast (wheel slot 2) |
| **43** | Blade1A | 0 | 0–254 Out<br>255–255 In |
| **44** | Blade1Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **45** | Blade2A | 0 | 0–254 Out<br>255–255 In |
| **46** | Blade2Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **47** | Blade3A | 0 | 0–254 Out<br>255–255 In |
| **48** | Blade3Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **49** | Blade4A | 0 | 0–254 Out<br>255–255 In |
| **50** | Blade4Rot | 128 | 0–127 From -25 degrees to 0<br>128–128 0 degrees<br>129–255 From 0 degrees to +25 |
| **51** | Shaper Rot | 128 | 0–127 Left to Center<br>128–128 Center<br>129–255 Center To Right |

## RAW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **52** | Shaper Macros | 0 | 0–3 NoFeature<br>4–10 1<br>11–17 2<br>18–24 3<br>25–31 4<br>32–38 5<br>39–45 6<br>46–52 7<br>53–59 8<br>60–66 9<br>67–73 10<br>74–80 11<br>81–87 12<br>88–94 13<br>95–101 14<br>102–108 15<br>109–115 16<br>116–122 17<br>123–129 18<br>130–136 19<br>137–143 20<br>144–150 21<br>151–157 22<br>158–164 23<br>165–171 24<br>172–178 25<br>179–185 26<br>186–192 27<br>193–199 28<br>200–206 29<br>207–213 30<br>214–220 31<br>221–227 32<br>228–234 33<br>235–241 34<br>242–248 35<br>249–255 36 |
| **53** | Shaper Macros Speed | 0 | 0–254 Slow<br>255–255 Fast |
| **54** | Control1 | 0 | |