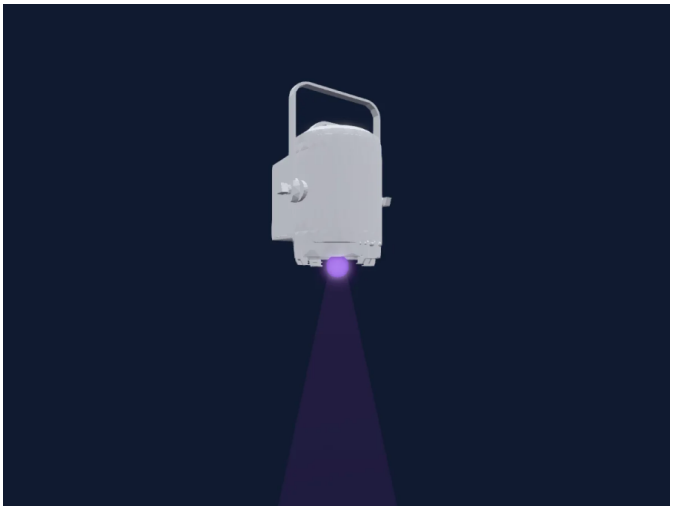
CKC Lighting

# Fresnel 80TW



| | |
|---|---|
| Manufacturer | **CKC Lighting** |
| Type | **Spot** |
| DMX modes | **6** |
| DMX footprint | **1, 6, 9, 11, 14, 18 channels** |
| Size (W × H × D) | **258 × 226 × 30 mm** |
| GDTF fixture type | **52F264CB-0A6B-4046-BE72-CE…** |

## Controls

CMY colour mixing · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer

## DMX modes

| | |
|---|---|
| Dimmer 1CH | 1 ch |
| Dimmer Color 6CH | 6 ch |
| CMY 9CH | 9 ch |
| Standard 11CH | 11 ch |
| CMY  Extended 14CH | 14 ch |
| Extended 18CH | 18 ch |

## Dimmer 1CH

1 channel

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–25 0%<br>26–50 10%<br>51–63 20%<br>64–76 25%<br>77–101 30%<br>102–127 40%<br>128–152 50%<br>153–177 60%<br>178–190 70%<br>191–203 75%<br>204–228 80%<br>229–254 90%<br>255–255 100% |

## Dimmer Color 6CH

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–24 0%<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>255–255 100% |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | Shutter / Strobe | 50 | 0–31 Shutter Closed (1)<br>32–63 Shutter Open (1)<br>64–77 Strobe slow<br>78–92 Strobe mid<br>93–95 Strobe fast<br>96–127 Shutter Open (2)<br>128–140 Pulse slow<br>141–156 Pulse mid<br>157–159 Pulse fast<br>160–191 Shutter Open (3)<br>192–204 Random · Str Rnd slow 1–3.71 Hz<br>205–220 Random · Str Rnd mid 3.94–7.32 Hz<br>221–223 Random · Str Rnd fast 7.55–8 Hz<br>224–255 Shutter Open (4) |
| 4 | C TO | 0 | |

## Dimmer Color 6CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **5** | Color Wheel | 0 | 0–0 Open (wheel slot 54)<br>1–1 pale yellow (7) (wheel slot 1)<br>2–2 straw (103) (wheel slot 2)<br>3–3 gold tint (151) (wheel slot 3)<br>4–4 spring yellow (100) (wheel slot 4)<br>5–5 medium yellow (10) (wheel slot 5)<br>6–6 yellow (101) (wheel slot 6)<br>7–7 deep amber (104) (wheel slot 7)<br>8–8 deep straw (15) (wheel slot 8)<br>9–9 loving amber (179) (wheel slot 9)<br>10–10 gold amber (21) (wheel slot 10)<br>11–11 orange (105) (wheel slot 11)<br>12–12 deep orange (158) (wheel slot 12)<br>13–13 dark amber (22) (wheel slot 13)<br>14–14 millennium gold (778) (wheel slot 14)<br>15–15 deep golden amber (135) (wheel slot 15)<br>16–16 scarlet (24) (wheel slot 16)<br>17–17 primary red (106) (wheel slot 17)<br>18–18 bright red (26) (wheel slot 18)<br>19–19 medium red (27) (wheel slot 19)<br>20–20 fire (19) (wheel slot 20)<br>21–21 pink (157) (wheel slot 21)<br>22–22 medium pink (36) (wheel slot 22)<br>23–23 dark pink (111) (wheel slot 23)<br>24–24 bright pink (128) (wheel slot 24)<br>25–25 bright rose (148) (wheel slot 25)<br>26–26 special rose pink (332) (wheel slot 26)<br>27–27 vanity fair (793) (wheel slot 27)<br>28–28 magenta (113) (wheel slot 28)<br>29–29 dark magenta (46) (wheel slot 29)<br>30–30 rose purple (48) (wheel slot 30)<br>31–31 mauve (126) (wheel slot 31)<br>32–32 medium purple (49) (wheel slot 32)<br>33–33 lavender (58) (wheel slot 33)<br>34–34 palace blue (199) (wheel slot 34)<br>35–35 dark blue (119) (wheel slot 35)<br>36–36 medium blue (132) (wheel slot 36)<br>37–37 deep blue (120) (wheel slot 37)<br>38–38 daylight blue (165) (wheel slot 38)<br>39–39 slate blue (161) (wheel slot 39)<br>40–40 light blue (118) (wheel slot 40)<br>41–41 sky blue (68) (wheel slot 41)<br>42–42 pale navy blue (143) (wheel slot 42)<br>43–43 marine blue (131) (wheel slot 43)<br>44–44 peacock blue (115) (wheel slot 44)<br>45–45 lagoon blue (172) (wheel slot 45)<br>46–46 medium blue green (116) (wheel slot 46)<br>47–47 dark yellow green (90) (wheel slot 47)<br>48–48 primary green (139) (wheel slot 48)<br>49–49 fern green 122) (wheel slot 49)<br>50–50 moss green (89) (wheel slot 50)<br>51–51 dark green (124) (wheel slot 51)<br>52–52 lime green (88) (wheel slot 52)<br>53–53 pale green (138) (wheel slot 53)<br>54–179 No Function (wheel slot 54)<br>180–191 Rotate fast >>> (wheel slot 55)<br>192–198 Rotate mid >> (wheel slot 56)<br>199–201 Rotate slow > (wheel slot 57)<br>202–207 Stop Rotation (wheel slot 58)<br>208–214 < Rotate slow (wheel slot 59)<br>215–226 << Rotate mid (wheel slot 60)<br>227–229 <<< Rotate fast (wheel slot 61)<br>230–234 Open (2) (wheel slot 63)<br>235–239 Random fast (wheel slot 64) |

### Dimmer Color 6CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 6 | Control1 | 0 | |

## CMY 9CH

9 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–24 0%<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>255–255 100% |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | Shutter / Strobe | 50 | 0–31 Shutter Closed (1)<br>32–63 Shutter Open (1)<br>64–77 Strobe slow<br>78–92 Strobe mid<br>93–95 Strobe fast<br>96–127 Shutter Open (2)<br>128–140 Pulse slow<br>141–156 Pulse mid<br>157–159 Pulse fast<br>160–191 Shutter Open (3)<br>192–204 Random · Str Rnd slow 1–3.71 Hz<br>205–220 Random · Str Rnd mid 3.94–7.32 Hz<br>221–223 Random · Str Rnd fast 7.55–8 Hz<br>224–255 Shutter Open (4) |
| 4 | Cyan | 0 | 0–62 0% Cyan<br>63–126 25% Cyan<br>127–190 50% Cyan<br>191–254 75% Cyan<br>255–255 100% Cyan |
| 5 | Magenta | 0 | 0–62 0% Magenta<br>63–126 25% Magenta<br>127–190 50% Magenta<br>191–254 75% Magenta<br>255–255 100% Magenta |
| 6 | Yellow | 0 | 0–62 0% Yellow<br>63–126 25% Yellow<br>127–190 50% Yellow<br>191–254 75% Yellow<br>255–255 100% Yellow |
| 7 | C TO | 0 | |

## CMY 9CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 8 | Color Wheel | 0 | 0–0 Open (wheel slot 54)<br>1–1 pale yellow (7) (wheel slot 1)<br>2–2 straw (103) (wheel slot 2)<br>3–3 gold tint (151) (wheel slot 3)<br>4–4 spring yellow (100) (wheel slot 4)<br>5–5 medium yellow (10) (wheel slot 5)<br>6–6 yellow (101) (wheel slot 6)<br>7–7 deep amber (104) (wheel slot 7)<br>8–8 deep straw (15) (wheel slot 8)<br>9–9 loving amber (179) (wheel slot 9)<br>10–10 gold amber (21) (wheel slot 10)<br>11–11 orange (105) (wheel slot 11)<br>12–12 deep orange (158) (wheel slot 12)<br>13–13 dark amber (22) (wheel slot 13)<br>14–14 millennium gold (778) (wheel slot 14)<br>15–15 deep golden amber (135) (wheel slot 15)<br>16–16 scarlet (24) (wheel slot 16)<br>17–17 primary red (106) (wheel slot 17)<br>18–18 bright red (26) (wheel slot 18)<br>19–19 medium red (27) (wheel slot 19)<br>20–20 fire (19) (wheel slot 20)<br>21–21 pink (157) (wheel slot 21)<br>22–22 medium pink (36) (wheel slot 22)<br>23–23 dark pink (111) (wheel slot 23)<br>24–24 bright pink (128) (wheel slot 24)<br>25–25 bright rose (148) (wheel slot 25)<br>26–26 special rose pink (332) (wheel slot 26)<br>27–27 vanity fair (793) (wheel slot 27)<br>28–28 magenta (113) (wheel slot 28)<br>29–29 dark magenta (46) (wheel slot 29)<br>30–30 rose purple (48) (wheel slot 30)<br>31–31 mauve (126) (wheel slot 31)<br>32–32 medium purple (49) (wheel slot 32)<br>33–33 lavender (58) (wheel slot 33)<br>34–34 palace blue (199) (wheel slot 34)<br>35–35 dark blue (119) (wheel slot 35)<br>36–36 medium blue (132) (wheel slot 36)<br>37–37 deep blue (120) (wheel slot 37)<br>38–38 daylight blue (165) (wheel slot 38)<br>39–39 slate blue (161) (wheel slot 39)<br>40–40 light blue (118) (wheel slot 40)<br>41–41 sky blue (68) (wheel slot 41)<br>42–42 pale navy blue (143) (wheel slot 42)<br>43–43 marine blue (131) (wheel slot 43)<br>44–44 peacock blue (115) (wheel slot 44)<br>45–45 lagoon blue (172) (wheel slot 45)<br>46–46 medium blue green (116) (wheel slot 46)<br>47–47 dark yellow green (90) (wheel slot 47)<br>48–48 primary green (139) (wheel slot 48)<br>49–49 fern green 122) (wheel slot 49)<br>50–50 moss green (89) (wheel slot 50)<br>51–51 dark green (124) (wheel slot 51)<br>52–52 lime green (88) (wheel slot 52)<br>53–53 pale green (138) (wheel slot 53)<br>54–179 No Function (wheel slot 54)<br>180–191 Rotate fast >>> (wheel slot 55)<br>192–198 Rotate mid >> (wheel slot 56)<br>199–201 Rotate slow > (wheel slot 57)<br>202–207 Stop Rotation (wheel slot 58)<br>208–214 < Rotate slow (wheel slot 59)<br>215–226 << Rotate mid (wheel slot 60)<br>227–229 <<< Rotate fast (wheel slot 61)<br>230–234 Open (2) (wheel slot 63)<br>235–239 Random fast (wheel slot 64) |

### CMY 9CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 9 | Control1 | 0 | |

## Standard 11CH

11 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–24 0%<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>255–255 100% |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 3 | Shutter / Strobe | 50 | 0–31 Shutter Closed (1)<br>32–63 Shutter Open (1)<br>64–77 Strobe slow<br>78–92 Strobe mid<br>93–95 Strobe fast<br>96–127 Shutter Open (2)<br>128–140 Pulse slow<br>141–156 Pulse mid<br>157–159 Pulse fast<br>160–191 Shutter Open (3)<br>192–204 Shutter1StrobeRandom · Str Rnd slow 1–8.35 Hz<br>205–220 Shutter1StrobeRandom · Str Rnd mid 8.97–18.2 Hz<br>221–223 Shutter1StrobeRandom · Str Rnd fast 18.8–20 Hz<br>224–255 Shutter Open (4) |
| 4 | Red | 255 | 0–63 0% Red<br>64–127 25% Red<br>128–190 50% Red<br>191–254 75% Red<br>255–255 100% Red |
| 5 | Green | 255 | 0–63 0% Green<br>64–127 25% Green<br>128–190 50% Green<br>191–254 75% Green<br>255–255 100% Green |
| 6 | Blue | 255 | 0–63 0% Blue<br>64–127 25% Blue<br>128–190 50% Blue<br>191–254 75% Blue<br>255–255 100% Blue |
| 7 | Color Add GC | 0 | 0–63 0% Mint<br>64–127 25% Mint<br>128–190 50% Mint<br>191–254 75% Mint<br>255–255 100% Mint |
| 8 | Color Add RY | 0 | 0–63 0% Amber<br>64–127 25% Amber<br>128–190 50% Amber<br>191–254 75% Amber<br>255–255 100% Amber |

### Standard 11CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **9** | C TO | 0 | |

## Standard 11CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Color Wheel | 0 | 0–0 Open (wheel slot 54)<br>1–1 pale yellow (7) (wheel slot 1)<br>2–2 straw (103) (wheel slot 2)<br>3–3 gold tint (151) (wheel slot 3)<br>4–4 spring yellow (100) (wheel slot 4)<br>5–5 medium yellow (10) (wheel slot 5)<br>6–6 yellow (101) (wheel slot 6)<br>7–7 deep amber (104) (wheel slot 7)<br>8–8 deep straw (15) (wheel slot 8)<br>9–9 loving amber (179) (wheel slot 9)<br>10–10 gold amber (21) (wheel slot 10)<br>11–11 orange (105) (wheel slot 11)<br>12–12 deep orange (158) (wheel slot 12)<br>13–13 dark amber (22) (wheel slot 13)<br>14–14 millennium gold (778) (wheel slot 14)<br>15–15 deep golden amber (135) (wheel slot 15)<br>16–16 scarlet (24) (wheel slot 16)<br>17–17 primary red (106) (wheel slot 17)<br>18–18 bright red (26) (wheel slot 18)<br>19–19 medium red (27) (wheel slot 19)<br>20–20 fire (19) (wheel slot 20)<br>21–21 pink (157) (wheel slot 21)<br>22–22 medium pink (36) (wheel slot 22)<br>23–23 dark pink (111) (wheel slot 23)<br>24–24 bright pink (128) (wheel slot 24)<br>25–25 bright rose (148) (wheel slot 25)<br>26–26 special rose pink (332) (wheel slot 26)<br>27–27 vanity fair (793) (wheel slot 27)<br>28–28 magenta (113) (wheel slot 28)<br>29–29 dark magenta (46) (wheel slot 29)<br>30–30 rose purple (48) (wheel slot 30)<br>31–31 mauve (126) (wheel slot 31)<br>32–32 medium purple (49) (wheel slot 32)<br>33–33 lavender (58) (wheel slot 33)<br>34–34 palace blue (199) (wheel slot 34)<br>35–35 dark blue (119) (wheel slot 35)<br>36–36 medium blue (132) (wheel slot 36)<br>37–37 deep blue (120) (wheel slot 37)<br>38–38 daylight blue (165) (wheel slot 38)<br>39–39 slate blue (161) (wheel slot 39)<br>40–40 light blue (118) (wheel slot 40)<br>41–41 sky blue (68) (wheel slot 41)<br>42–42 pale navy blue (143) (wheel slot 42)<br>43–43 marine blue (131) (wheel slot 43)<br>44–44 peacock blue (115) (wheel slot 44)<br>45–45 lagoon blue (172) (wheel slot 45)<br>46–46 medium blue green (116) (wheel slot 46)<br>47–47 dark yellow green (90) (wheel slot 47)<br>48–48 primary green (139) (wheel slot 48)<br>49–49 fern green 122) (wheel slot 49)<br>50–50 moss green (89) (wheel slot 50)<br>51–51 dark green (124) (wheel slot 51)<br>52–52 lime green (88) (wheel slot 52)<br>53–53 pale green (138) (wheel slot 53)<br>54–179 No Function (wheel slot 54)<br>180–191 Rotate fast >>> (wheel slot 55)<br>192–198 Rotate mid >> (wheel slot 56)<br>199–201 Rotate slow > (wheel slot 57)<br>202–207 Stop Rotation (wheel slot 58)<br>208–214 < Rotate slow (wheel slot 59)<br>215–226 << Rotate mid (wheel slot 60)<br>227–229 <<< Rotate fast (wheel slot 61)<br>230–234 Open (2) (wheel slot 63)<br>235–239 Random fast (wheel slot 64) |

### Standard 11CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **11** | Control1 | 0 | |

## CMY Extended 14CH

14 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Dimmer | 0 | 0–24 0%<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>255–255 100% |
| **2** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **3** | Shutter / Strobe | 50 | 0–31 Shutter Closed (1)<br>32–63 Shutter Open (1)<br>64–77 Strobe slow<br>78–92 Strobe mid<br>93–95 Strobe fast<br>96–127 Shutter Open (2)<br>128–140 Pulse slow<br>141–156 Pulse mid<br>157–159 Pulse fast<br>160–191 Shutter Open (3)<br>192–204 Random · Str Rnd slow 1–3.71 Hz<br>205–220 Random · Str Rnd mid 3.94–7.32 Hz<br>221–223 Random · Str Rnd fast 7.55–8 Hz<br>224–255 Shutter Open (4) |
| **4** | Cyan | 0 | 0–62 0% Cyan<br>63–126 25% Cyan<br>127–190 50% Cyan<br>191–254 75% Cyan<br>255–255 100% Cyan |
| **5** | Cyan Fine | 0 | Fine byte of Cyan |
| **6** | Magenta | 0 | 0–62 0% Magenta<br>63–126 25% Magenta<br>127–190 50% Magenta<br>191–254 75% Magenta<br>255–255 100% Magenta |
| **7** | Magenta Fine | 0 | Fine byte of Magenta |
| **8** | Yellow | 0 | 0–62 0% Yellow<br>63–126 25% Yellow<br>127–190 50% Yellow<br>191–254 75% Yellow<br>255–255 100% Yellow |
| **9** | Yellow Fine | 0 | Fine byte of Yellow |
| **10** | C TO | 0 | |

## CMY Extended 14CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 11 | Color Wheel | 0 | 0–0 Open (wheel slot 54)<br>1–1 pale yellow (7) (wheel slot 1)<br>2–2 straw (103) (wheel slot 2)<br>3–3 gold tint (151) (wheel slot 3)<br>4–4 spring yellow (100) (wheel slot 4)<br>5–5 medium yellow (10) (wheel slot 5)<br>6–6 yellow (101) (wheel slot 6)<br>7–7 deep amber (104) (wheel slot 7)<br>8–8 deep straw (15) (wheel slot 8)<br>9–9 loving amber (179) (wheel slot 9)<br>10–10 gold amber (21) (wheel slot 10)<br>11–11 orange (105) (wheel slot 11)<br>12–12 deep orange (158) (wheel slot 12)<br>13–13 dark amber (22) (wheel slot 13)<br>14–14 millennium gold (778) (wheel slot 14)<br>15–15 deep golden amber (135) (wheel slot 15)<br>16–16 scarlet (24) (wheel slot 16)<br>17–17 primary red (106) (wheel slot 17)<br>18–18 bright red (26) (wheel slot 18)<br>19–19 medium red (27) (wheel slot 19)<br>20–20 fire (19) (wheel slot 20)<br>21–21 pink (157) (wheel slot 21)<br>22–22 medium pink (36) (wheel slot 22)<br>23–23 dark pink (111) (wheel slot 23)<br>24–24 bright pink (128) (wheel slot 24)<br>25–25 bright rose (148) (wheel slot 25)<br>26–26 special rose pink (332) (wheel slot 26)<br>27–27 vanity fair (793) (wheel slot 27)<br>28–28 magenta (113) (wheel slot 28)<br>29–29 dark magenta (46) (wheel slot 29)<br>30–30 rose purple (48) (wheel slot 30)<br>31–31 mauve (126) (wheel slot 31)<br>32–32 medium purple (49) (wheel slot 32)<br>33–33 lavender (58) (wheel slot 33)<br>34–34 palace blue (199) (wheel slot 34)<br>35–35 dark blue (119) (wheel slot 35)<br>36–36 medium blue (132) (wheel slot 36)<br>37–37 deep blue (120) (wheel slot 37)<br>38–38 daylight blue (165) (wheel slot 38)<br>39–39 slate blue (161) (wheel slot 39)<br>40–40 light blue (118) (wheel slot 40)<br>41–41 sky blue (68) (wheel slot 41)<br>42–42 pale navy blue (143) (wheel slot 42)<br>43–43 marine blue (131) (wheel slot 43)<br>44–44 peacock blue (115) (wheel slot 44)<br>45–45 lagoon blue (172) (wheel slot 45)<br>46–46 medium blue green (116) (wheel slot 46)<br>47–47 dark yellow green (90) (wheel slot 47)<br>48–48 primary green (139) (wheel slot 48)<br>49–49 fern green 122) (wheel slot 49)<br>50–50 moss green (89) (wheel slot 50)<br>51–51 dark green (124) (wheel slot 51)<br>52–52 lime green (88) (wheel slot 52)<br>53–53 pale green (138) (wheel slot 53)<br>54–179 No Function (wheel slot 54)<br>180–191 Rotate fast >>> (wheel slot 55)<br>192–198 Rotate mid >> (wheel slot 56)<br>199–201 Rotate slow > (wheel slot 57)<br>202–207 Stop Rotation (wheel slot 58)<br>208–214 < Rotate slow (wheel slot 59)<br>215–226 << Rotate mid (wheel slot 60)<br>227–229 <<< Rotate fast (wheel slot 61)<br>230–234 Open (2) (wheel slot 63)<br>235–239 Random fast (wheel slot 64) |

### CMY Extended 14CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **12** | Tint | 128 | 0–0 Idle (1)<br>1–125 Full Minus Green<br>126–127 Neutral<br>128–128 Neutral White<br>129–253 Neutral<br>254–255 Full Plus Green |
| **13** | Dimmer Mode | 0 | 0–20 Standart<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–120 Stage 2<br>121–121 0s Delay<br>122–122 0/1s Delay<br>123–123 0/2s Delay<br>124–124 0/3s Delay<br>125–125 0/4s Delay<br>126–126 0/5s Delay<br>127–127 0/6s Delay<br>128–128 0/7s Delay<br>129–129 0/8s Delay<br>130–130 0/9s Delay<br>131–131 1s Delay<br>132–132 1/5s Delay<br>133–133 2s Delay<br>134–134 3s Delay<br>135–135 4s Delay<br>136–136 5s Delay<br>137–137 6s Delay<br>138–138 7s Delay<br>139–139 8s Delay<br>140–140 9s Delay<br>141–141 10s Delay<br>142–255 Idle |
| **14** | Control1 | 0 | |

## Extended 18CH

18 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Dimmer | 0 | 0–24 0%<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>255–255 100% |
| **2** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Extended 18CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **3** | Shutter / Strobe | 50 | 0–31 Shutter Closed (1)<br>32–63 Shutter Open (1)<br>64–77 Strobe slow<br>78–92 Strobe mid<br>93–95 Strobe fast<br>96–127 Shutter Open (2)<br>128–140 Pulse slow<br>141–156 Pulse mid<br>157–159 Pulse fast<br>160–191 Shutter Open (3)<br>192–204 Shutter1StrobeRandom · Str Rnd slow 1–8.35 Hz<br>205–220 Shutter1StrobeRandom · Str Rnd mid 8.97–18.2 Hz<br>221–223 Shutter1StrobeRandom · Str Rnd fast 18.8–20 Hz<br>224–255 Shutter Open (4) |
| **4** | Red | 255 | 0–63 0% Red<br>64–127 25% Red<br>128–190 50% Red<br>191–254 75% Red<br>255–255 100% Red |
| **5** | Red Fine | 255 | Fine byte of Red |
| **6** | Green | 255 | 0–63 0% Green<br>64–127 25% Green<br>128–190 50% Green<br>191–254 75% Green<br>255–255 100% Green |
| **7** | Green Fine | 255 | Fine byte of Green |
| **8** | Blue | 255 | 0–63 0% Blue<br>64–127 25% Blue<br>128–190 50% Blue<br>191–254 75% Blue<br>255–255 100% Blue |
| **9** | Blue Fine | 255 | Fine byte of Blue |
| **10** | Color Add GC | 0 | 0–63 0% Mint<br>64–127 25% Mint<br>128–190 50% Mint<br>191–254 75% Mint<br>255–255 100% Mint |
| **11** | Color Add GC Fine | 0 | Fine byte of Color Add GC |
| **12** | Color Add RY | 0 | 0–63 0% Amber<br>64–127 25% Amber<br>128–190 50% Amber<br>191–254 75% Amber<br>255–255 100% Amber |
| **13** | Color Add RY Fine | 0 | Fine byte of Color Add RY |
| **14** | C TO | 0 | |

## Extended 18CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Color Wheel | 0 | 0–0 Open (wheel slot 54)<br>1–1 pale yellow (7) (wheel slot 1)<br>2–2 straw (103) (wheel slot 2)<br>3–3 gold tint (151) (wheel slot 3)<br>4–4 spring yellow (100) (wheel slot 4)<br>5–5 medium yellow (10) (wheel slot 5)<br>6–6 yellow (101) (wheel slot 6)<br>7–7 deep amber (104) (wheel slot 7)<br>8–8 deep straw (15) (wheel slot 8)<br>9–9 loving amber (179) (wheel slot 9)<br>10–10 gold amber (21) (wheel slot 10)<br>11–11 orange (105) (wheel slot 11)<br>12–12 deep orange (158) (wheel slot 12)<br>13–13 dark amber (22) (wheel slot 13)<br>14–14 millennium gold (778) (wheel slot 14)<br>15–15 deep golden amber (135) (wheel slot 15)<br>16–16 scarlet (24) (wheel slot 16)<br>17–17 primary red (106) (wheel slot 17)<br>18–18 bright red (26) (wheel slot 18)<br>19–19 medium red (27) (wheel slot 19)<br>20–20 fire (19) (wheel slot 20)<br>21–21 pink (157) (wheel slot 21)<br>22–22 medium pink (36) (wheel slot 22)<br>23–23 dark pink (111) (wheel slot 23)<br>24–24 bright pink (128) (wheel slot 24)<br>25–25 bright rose (148) (wheel slot 25)<br>26–26 special rose pink (332) (wheel slot 26)<br>27–27 vanity fair (793) (wheel slot 27)<br>28–28 magenta (113) (wheel slot 28)<br>29–29 dark magenta (46) (wheel slot 29)<br>30–30 rose purple (48) (wheel slot 30)<br>31–31 mauve (126) (wheel slot 31)<br>32–32 medium purple (49) (wheel slot 32)<br>33–33 lavender (58) (wheel slot 33)<br>34–34 palace blue (199) (wheel slot 34)<br>35–35 dark blue (119) (wheel slot 35)<br>36–36 medium blue (132) (wheel slot 36)<br>37–37 deep blue (120) (wheel slot 37)<br>38–38 daylight blue (165) (wheel slot 38)<br>39–39 slate blue (161) (wheel slot 39)<br>40–40 light blue (118) (wheel slot 40)<br>41–41 sky blue (68) (wheel slot 41)<br>42–42 pale navy blue (143) (wheel slot 42)<br>43–43 marine blue (131) (wheel slot 43)<br>44–44 peacock blue (115) (wheel slot 44)<br>45–45 lagoon blue (172) (wheel slot 45)<br>46–46 medium blue green (116) (wheel slot 46)<br>47–47 dark yellow green (90) (wheel slot 47)<br>48–48 primary green (139) (wheel slot 48)<br>49–49 fern green 122) (wheel slot 49)<br>50–50 moss green (89) (wheel slot 50)<br>51–51 dark green (124) (wheel slot 51)<br>52–52 lime green (88) (wheel slot 52)<br>53–53 pale green (138) (wheel slot 53)<br>54–179 No Function (wheel slot 54)<br>180–191 Rotate fast >>> (wheel slot 55)<br>192–198 Rotate mid >> (wheel slot 56)<br>199–201 Rotate slow > (wheel slot 57)<br>202–207 Stop Rotation (wheel slot 58)<br>208–214 < Rotate slow (wheel slot 59)<br>215–226 << Rotate mid (wheel slot 60)<br>227–229 <<< Rotate fast (wheel slot 61)<br>230–234 Open (2) (wheel slot 63)<br>235–239 Random fast (wheel slot 64) |

## Extended 18CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **16** | Tint | 128 | 0–0 Idle (1)<br>1–125 Full Minus Green<br>126–127 Neutral<br>128–128 Neutral White<br>129–253 Neutral<br>254–255 Full Plus Green |
| **17** | Dimmer Mode | 0 | 0–20 Standart<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–120 Stage 2<br>121–121 0s Delay<br>122–122 0/1s Delay<br>123–123 0/2s Delay<br>124–124 0/3s Delay<br>125–125 0/4s Delay<br>126–126 0/5s Delay<br>127–127 0/6s Delay<br>128–128 0/7s Delay<br>129–129 0/8s Delay<br>130–130 0/9s Delay<br>131–131 1s Delay<br>132–132 1/5s Delay<br>133–133 2s Delay<br>134–134 3s Delay<br>135–135 4s Delay<br>136–136 5s Delay<br>137–137 6s Delay<br>138–138 7s Delay<br>139–139 8s Delay<br>140–140 9s Delay<br>141–141 10s Delay<br>142–255 Idle |
| **18** | Control1 | 0 | |