Elation

# KL Profile FC



| | |
|---|---|
| Manufacturer | **Elation** |
| Type | **Profile spot** |
| DMX modes | **8** |
| DMX footprint | **1, 5, 10, 12, 17, 21 channels** |
| Beam angle | **7°** |
| Size (W × H × D) | **390 × 637 × 300 mm** |
| GDTF fixture type | **90166150-8010-447F-AD4F-C6…** |

## Controls

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

## Safety-relevant functions

Fixture reset · Strobe

## DMX modes

| | |
|---|---|
| Inten | 1 ch |
| Comp | 5 ch |
| CMY | 10 ch |
| RGB | 10 ch |
| Std | 12 ch |
| CMY Extended | 17 ch |
| RGB Ext | 17 ch |
| Extended | 21 ch |

## Inten

1 channel

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–24 0%<br>25–50 10%<br>51–62 20%<br>63–75 25%<br>76–101 30%<br>102–126 40%<br>127–152 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% |

## Comp

5 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | C TO | 0 | |
| 2 | Gobo Fine | 0 | Fine byte of Gobo |
| 3 | Gobo | 0 | 0–126 Min Index<br>127–127 Max Index<br>128–157 Fast<br>158–188 Med<br>189–189 Slow<br>190–193 No Rotation<br>194–223 Slow<br>224–254 Med<br>255–255 Fast |
| 4 | Dimmer | 0 | 0–24 0%<br>25–50 10%<br>51–62 20%<br>63–75 25%<br>76–101 30%<br>102–126 40%<br>127–152 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% |
| 5 | Dimmer Fine | 0 | Fine byte of Dimmer |

## CMY

10 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Cyan | 0 | 0–62 0%<br>63–126 25%<br>127–190 50%<br>191–254 75%<br>255–255 100% |
| 2 | Magenta | 0 | 0–62 0%<br>63–126 25%<br>127–190 50%<br>191–254 75%<br>255–255 100% |

## CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **3** | Yellow | 0 | 0–62 0%<br>63–126 25%<br>127–190 50%<br>191–254 75%<br>255–255 100% |
| **4** | C TO | 0 | |

## CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **5** | Color Wheel | 0 | 0–0 Open (wheel slot 61)<br>1–1 Pale Yellow (wheel slot 1)<br>2–2 Straw (wheel slot 2)<br>3–3 Gold Tint (wheel slot 3)<br>4–4 Spring Yellow (wheel slot 4)<br>5–5 Medium Yellow (wheel slot 5)<br>6–6 Yellow (wheel slot 6)<br>7–7 Deep Amber (wheel slot 7)<br>8–8 Deep Straw (wheel slot 8)<br>9–9 Loving Amber (wheel slot 9)<br>10–10 Gold Amber (wheel slot 10)<br>11–11 Orange (wheel slot 11)<br>12–12 Deep Orange (wheel slot 12)<br>13–13 Dark Amber (wheel slot 13)<br>14–14 Millennium Gold (wheel slot 14)<br>15–15 Deep Golden Amber (wheel slot 15)<br>16–16 Scarlet (wheel slot 16)<br>17–17 Primary Red (wheel slot 17)<br>18–18 Bright Red (wheel slot 18)<br>19–19 Medium Red (wheel slot 19)<br>20–20 Fire (wheel slot 20)<br>21–21 Pink (wheel slot 21)<br>22–22 Medium Pink (wheel slot 22)<br>23–23 Dark Pink (wheel slot 23)<br>24–24 Bright Pink (wheel slot 24)<br>25–25 Bright Rose (wheel slot 25)<br>26–26 Special Rose Pink (wheel slot 26)<br>27–27 Vanity Fair (wheel slot 27)<br>28–28 Magenta (wheel slot 28)<br>29–29 Dark Magenta (wheel slot 29)<br>30–30 Rose Purple (wheel slot 30)<br>31–31 Mauve (wheel slot 31)<br>32–32 Medium Purple (wheel slot 32)<br>33–33 Lavender (wheel slot 33)<br>34–34 Palace blue (wheel slot 34)<br>35–35 Dark Blue (wheel slot 35)<br>36–36 Medium Blue (wheel slot 36)<br>37–37 Deep Blue (wheel slot 37)<br>38–38 Daylight Blue (wheel slot 38)<br>39–39 Slate Blue (wheel slot 39)<br>40–40 Light Blue (wheel slot 40)<br>41–41 Sky Blue (wheel slot 41)<br>42–42 Pale Navy Blue (wheel slot 42)<br>43–43 Marine Blue (wheel slot 43)<br>44–44 Peacock Blue (wheel slot 44)<br>45–45 Lagoon Blue (wheel slot 45)<br>46–46 Medium Blue Green (wheel slot 46)<br>47–47 Dark Yellow Green (wheel slot 47)<br>48–48 Primary Green (wheel slot 48)<br>49–49 Fern Green (wheel slot 49)<br>50–50 Moss Green (wheel slot 50)<br>51–51 Dark Green (wheel slot 51)<br>52–52 Lime Green (wheel slot 52)<br>53–53 Pale Green (wheel slot 53)<br>54–54 Quarter CT Blue (wheel slot 54)<br>55–55 Half CT Blue (wheel slot 55)<br>56–56 Full CT Blue (wheel slot 56)<br>57–57 Double CT Blue (wheel slot 57)<br>58–58 Quarter CT Orange (wheel slot 58)<br>59–59 Half CT Orange (wheel slot 59)<br>60–60 Full CT Orange (wheel slot 60)<br>61–179 Open (wheel slot 61)<br>180–201 Clockwise fast to slow<br>202–207 Stop |

### CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Gobo | 0 | 0–126 Min Index<br>127–127 Max Index<br>128–157 Fast<br>158–188 Med<br>189–189 Slow<br>190–193 No Rotation<br>194–223 Slow<br>224–254 Med<br>255–255 Fast |
| **7** | Shutter / Strobe | 50 | 0–31 Shutter Closed<br>32–63 No Function (Shutter Open)<br>64–95 Strobe Effect Slow to Fast<br>96–127 No Function (Shutter Open)<br>128–159 Pulse-Effect in Sequences<br>160–191 No Function (Shutter Open)<br>192–223 Random Strobe Effect Slow to Fast<br>224–255 No Function (Shutter Open) |
| **8** | 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% |
| **9** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **10** | Control1 | 0 | |

## RGB

10 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Red | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **2** | Green | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **3** | Blue | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **4** | C TO | 0 | |

## RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **5** | Color Wheel | 0 | 0–0 Open (wheel slot 61)<br>1–1 Pale Yellow (wheel slot 1)<br>2–2 Straw (wheel slot 2)<br>3–3 Gold Tint (wheel slot 3)<br>4–4 Spring Yellow (wheel slot 4)<br>5–5 Medium Yellow (wheel slot 5)<br>6–6 Yellow (wheel slot 6)<br>7–7 Deep Amber (wheel slot 7)<br>8–8 Deep Straw (wheel slot 8)<br>9–9 Loving Amber (wheel slot 9)<br>10–10 Gold Amber (wheel slot 10)<br>11–11 Orange (wheel slot 11)<br>12–12 Deep Orange (wheel slot 12)<br>13–13 Dark Amber (wheel slot 13)<br>14–14 Millennium Gold (wheel slot 14)<br>15–15 Deep Golden Amber (wheel slot 15)<br>16–16 Scarlet (wheel slot 16)<br>17–17 Primary Red (wheel slot 17)<br>18–18 Bright Red (wheel slot 18)<br>19–19 Medium Red (wheel slot 19)<br>20–20 Fire (wheel slot 20)<br>21–21 Pink (wheel slot 21)<br>22–22 Medium Pink (wheel slot 22)<br>23–23 Dark Pink (wheel slot 23)<br>24–24 Bright Pink (wheel slot 24)<br>25–25 Bright Rose (wheel slot 25)<br>26–26 Special Rose Pink (wheel slot 26)<br>27–27 Vanity Fair (wheel slot 27)<br>28–28 Magenta (wheel slot 28)<br>29–29 Dark Magenta (wheel slot 29)<br>30–30 Rose Purple (wheel slot 30)<br>31–31 Mauve (wheel slot 31)<br>32–32 Medium Purple (wheel slot 32)<br>33–33 Lavender (wheel slot 33)<br>34–34 Palace blue (wheel slot 34)<br>35–35 Dark Blue (wheel slot 35)<br>36–36 Medium Blue (wheel slot 36)<br>37–37 Deep Blue (wheel slot 37)<br>38–38 Daylight Blue (wheel slot 38)<br>39–39 Slate Blue (wheel slot 39)<br>40–40 Light Blue (wheel slot 40)<br>41–41 Sky Blue (wheel slot 41)<br>42–42 Pale Navy Blue (wheel slot 42)<br>43–43 Marine Blue (wheel slot 43)<br>44–44 Peacock Blue (wheel slot 44)<br>45–45 Lagoon Blue (wheel slot 45)<br>46–46 Medium Blue Green (wheel slot 46)<br>47–47 Dark Yellow Green (wheel slot 47)<br>48–48 Primary Green (wheel slot 48)<br>49–49 Fern Green (wheel slot 49)<br>50–50 Moss Green (wheel slot 50)<br>51–51 Dark Green (wheel slot 51)<br>52–52 Lime Green (wheel slot 52)<br>53–53 Pale Green (wheel slot 53)<br>54–54 Quarter CT Blue (wheel slot 54)<br>55–55 Half CT Blue (wheel slot 55)<br>56–56 Full CT Blue (wheel slot 56)<br>57–57 Double CT Blue (wheel slot 57)<br>58–58 Quarter CT Orange (wheel slot 58)<br>59–59 Half CT Orange (wheel slot 59)<br>60–60 Full CT Orange (wheel slot 60)<br>61–179 Open (wheel slot 61)<br>180–201 Clockwise fast to slow<br>202–207 Stop |

### RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Gobo | 0 | 0–126 Min Index<br>127–127 Max Index<br>128–157 Fast<br>158–188 Med<br>189–189 Slow<br>190–193 No Rotation<br>194–223 Slow<br>224–254 Med<br>255–255 Fast |
| **7** | Shutter / Strobe | 50 | 0–31 Shutter Closed<br>32–63 No Function (Shutter Open)<br>64–95 Strobe Effect Slow to Fast<br>96–127 No Function (Shutter Open)<br>128–159 Pulse-Effect in Sequences<br>160–191 No Function (Shutter Open)<br>192–223 Random Strobe Effect Slow to Fast<br>224–255 No Function (Shutter Open) |
| **8** | 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% |
| **9** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **10** | Control1 | 0 | |

## Std

12 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Red | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **2** | Green | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **3** | Blue | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **4** | Color Add GC | 0 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |

## Std (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **5** | Color Add RY | 0 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **6** | C TO | 0 | |

## Std (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 Open (wheel slot 61)<br>1–1 Pale Yellow (wheel slot 1)<br>2–2 Straw (wheel slot 2)<br>3–3 Gold Tint (wheel slot 3)<br>4–4 Spring Yellow (wheel slot 4)<br>5–5 Medium Yellow (wheel slot 5)<br>6–6 Yellow (wheel slot 6)<br>7–7 Deep Amber (wheel slot 7)<br>8–8 Deep Straw (wheel slot 8)<br>9–9 Loving Amber (wheel slot 9)<br>10–10 Gold Amber (wheel slot 10)<br>11–11 Orange (wheel slot 11)<br>12–12 Deep Orange (wheel slot 12)<br>13–13 Dark Amber (wheel slot 13)<br>14–14 Millennium Gold (wheel slot 14)<br>15–15 Deep Golden Amber (wheel slot 15)<br>16–16 Scarlet (wheel slot 16)<br>17–17 Primary Red (wheel slot 17)<br>18–18 Bright Red (wheel slot 18)<br>19–19 Medium Red (wheel slot 19)<br>20–20 Fire (wheel slot 20)<br>21–21 Pink (wheel slot 21)<br>22–22 Medium Pink (wheel slot 22)<br>23–23 Dark Pink (wheel slot 23)<br>24–24 Bright Pink (wheel slot 24)<br>25–25 Bright Rose (wheel slot 25)<br>26–26 Special Rose Pink (wheel slot 26)<br>27–27 Vanity Fair (wheel slot 27)<br>28–28 Magenta (wheel slot 28)<br>29–29 Dark Magenta (wheel slot 29)<br>30–30 Rose Purple (wheel slot 30)<br>31–31 Mauve (wheel slot 31)<br>32–32 Medium Purple (wheel slot 32)<br>33–33 Lavender (wheel slot 33)<br>34–34 Palace blue (wheel slot 34)<br>35–35 Dark Blue (wheel slot 35)<br>36–36 Medium Blue (wheel slot 36)<br>37–37 Deep Blue (wheel slot 37)<br>38–38 Daylight Blue (wheel slot 38)<br>39–39 Slate Blue (wheel slot 39)<br>40–40 Light Blue (wheel slot 40)<br>41–41 Sky Blue (wheel slot 41)<br>42–42 Pale Navy Blue (wheel slot 42)<br>43–43 Marine Blue (wheel slot 43)<br>44–44 Peacock Blue (wheel slot 44)<br>45–45 Lagoon Blue (wheel slot 45)<br>46–46 Medium Blue Green (wheel slot 46)<br>47–47 Dark Yellow Green (wheel slot 47)<br>48–48 Primary Green (wheel slot 48)<br>49–49 Fern Green (wheel slot 49)<br>50–50 Moss Green (wheel slot 50)<br>51–51 Dark Green (wheel slot 51)<br>52–52 Lime Green (wheel slot 52)<br>53–53 Pale Green (wheel slot 53)<br>54–54 Quarter CT Blue (wheel slot 54)<br>55–55 Half CT Blue (wheel slot 55)<br>56–56 Full CT Blue (wheel slot 56)<br>57–57 Double CT Blue (wheel slot 57)<br>58–58 Quarter CT Orange (wheel slot 58)<br>59–59 Half CT Orange (wheel slot 59)<br>60–60 Full CT Orange (wheel slot 60)<br>61–179 Open (wheel slot 61)<br>180–201 Clockwise fast to slow<br>202–207 Stop |

### Std (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 8 | Gobo | 0 | 0–126 Min Index<br>127–127 Max Index<br>128–157 Fast<br>158–188 Med<br>189–189 Slow<br>190–193 No Rotation<br>194–223 Slow<br>224–254 Med<br>255–255 Fast |
| 9 | Shutter / Strobe | 50 | 0–31 Shutter Closed<br>32–63 No Function (Shutter Open)<br>64–95 Strobe Effect Slow to Fast<br>96–127 No Function (Shutter Open)<br>128–159 Pulse-Effect in Sequences<br>160–191 No Function (Shutter Open)<br>192–223 Random Strobe Effect Slow to Fast<br>224–255 No Function (Shutter Open) |
| 10 | 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% |
| 11 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 12 | Control1 | 0 | |

## CMY Extended

17 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Cyan | 0 | 0–62 0%<br>63–126 25%<br>127–190 50%<br>191–254 75%<br>255–255 100% |
| 2 | Cyan Fine | 0 | Fine byte of Cyan |
| 3 | Magenta | 0 | 0–62 0%<br>63–126 25%<br>127–190 50%<br>191–254 75%<br>255–255 100% |
| 4 | Magenta Fine | 0 | Fine byte of Magenta |
| 5 | Yellow | 0 | 0–62 0%<br>63–126 25%<br>127–190 50%<br>191–254 75%<br>255–255 100% |
| 6 | Yellow Fine | 0 | Fine byte of Yellow |
| 7 | C TO | 0 | |

## CMY Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 8 | Color Wheel | 0 | 0–0 Open (wheel slot 61)<br>1–1 Pale Yellow (wheel slot 1)<br>2–2 Straw (wheel slot 2)<br>3–3 Gold Tint (wheel slot 3)<br>4–4 Spring Yellow (wheel slot 4)<br>5–5 Medium Yellow (wheel slot 5)<br>6–6 Yellow (wheel slot 6)<br>7–7 Deep Amber (wheel slot 7)<br>8–8 Deep Straw (wheel slot 8)<br>9–9 Loving Amber (wheel slot 9)<br>10–10 Gold Amber (wheel slot 10)<br>11–11 Orange (wheel slot 11)<br>12–12 Deep Orange (wheel slot 12)<br>13–13 Dark Amber (wheel slot 13)<br>14–14 Millennium Gold (wheel slot 14)<br>15–15 Deep Golden Amber (wheel slot 15)<br>16–16 Scarlet (wheel slot 16)<br>17–17 Primary Red (wheel slot 17)<br>18–18 Bright Red (wheel slot 18)<br>19–19 Medium Red (wheel slot 19)<br>20–20 Fire (wheel slot 20)<br>21–21 Pink (wheel slot 21)<br>22–22 Medium Pink (wheel slot 22)<br>23–23 Dark Pink (wheel slot 23)<br>24–24 Bright Pink (wheel slot 24)<br>25–25 Bright Rose (wheel slot 25)<br>26–26 Special Rose Pink (wheel slot 26)<br>27–27 Vanity Fair (wheel slot 27)<br>28–28 Magenta (wheel slot 28)<br>29–29 Dark Magenta (wheel slot 29)<br>30–30 Rose Purple (wheel slot 30)<br>31–31 Mauve (wheel slot 31)<br>32–32 Medium Purple (wheel slot 32)<br>33–33 Lavender (wheel slot 33)<br>34–34 Palace blue (wheel slot 34)<br>35–35 Dark Blue (wheel slot 35)<br>36–36 Medium Blue (wheel slot 36)<br>37–37 Deep Blue (wheel slot 37)<br>38–38 Daylight Blue (wheel slot 38)<br>39–39 Slate Blue (wheel slot 39)<br>40–40 Light Blue (wheel slot 40)<br>41–41 Sky Blue (wheel slot 41)<br>42–42 Pale Navy Blue (wheel slot 42)<br>43–43 Marine Blue (wheel slot 43)<br>44–44 Peacock Blue (wheel slot 44)<br>45–45 Lagoon Blue (wheel slot 45)<br>46–46 Medium Blue Green (wheel slot 46)<br>47–47 Dark Yellow Green (wheel slot 47)<br>48–48 Primary Green (wheel slot 48)<br>49–49 Fern Green (wheel slot 49)<br>50–50 Moss Green (wheel slot 50)<br>51–51 Dark Green (wheel slot 51)<br>52–52 Lime Green (wheel slot 52)<br>53–53 Pale Green (wheel slot 53)<br>54–54 Quarter CT Blue (wheel slot 54)<br>55–55 Half CT Blue (wheel slot 55)<br>56–56 Full CT Blue (wheel slot 56)<br>57–57 Double CT Blue (wheel slot 57)<br>58–58 Quarter CT Orange (wheel slot 58)<br>59–59 Half CT Orange (wheel slot 59)<br>60–60 Full CT Orange (wheel slot 60)<br>61–179 Open (wheel slot 61)<br>180–201 Clockwise fast to slow<br>202–207 Stop |

## CMY Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **9** | Tint | 0 | 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 |
| **10** | C TC | 0 | 0–0 CTC<br>1–254 No Function<br>255–255 Color Mix |
| **11** | Gobo | 0 | 0–126 Min Index<br>127–127 Max Index<br>128–157 Fast<br>158–188 Med<br>189–189 Slow<br>190–193 No Rotation<br>194–223 Slow<br>224–254 Med<br>255–255 Fast |
| **12** | Gobo Fine | 0 | Fine byte of Gobo |
| **13** | Shutter / Strobe | 50 | 0–31 Shutter Closed<br>32–63 No Function (Shutter Open)<br>64–95 Strobe Effect Slow to Fast<br>96–127 No Function (Shutter Open)<br>128–159 Pulse-Effect in Sequences<br>160–191 No Function (Shutter Open)<br>192–223 Random Strobe Effect Slow to Fast<br>224–255 No Function (Shutter Open) |
| **14** | 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% |
| **15** | Dimmer Fine | 0 | Fine byte of Dimmer |

### CMY Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **16** | 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>141–255 10s Delay |
| **17** | Control1 | 0 | |

## RGB Ext

17 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Red | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **2** | Red Fine | 255 | Fine byte of Red |
| **3** | Green | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **4** | Green Fine | 255 | Fine byte of Green |
| **5** | Blue | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **6** | Blue Fine | 255 | Fine byte of Blue |
| **7** | C TO | 0 | |

## RGB Ext (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 8 | Color Wheel | 0 | 0–0 Open (wheel slot 61)<br>1–1 Pale Yellow (wheel slot 1)<br>2–2 Straw (wheel slot 2)<br>3–3 Gold Tint (wheel slot 3)<br>4–4 Spring Yellow (wheel slot 4)<br>5–5 Medium Yellow (wheel slot 5)<br>6–6 Yellow (wheel slot 6)<br>7–7 Deep Amber (wheel slot 7)<br>8–8 Deep Straw (wheel slot 8)<br>9–9 Loving Amber (wheel slot 9)<br>10–10 Gold Amber (wheel slot 10)<br>11–11 Orange (wheel slot 11)<br>12–12 Deep Orange (wheel slot 12)<br>13–13 Dark Amber (wheel slot 13)<br>14–14 Millennium Gold (wheel slot 14)<br>15–15 Deep Golden Amber (wheel slot 15)<br>16–16 Scarlet (wheel slot 16)<br>17–17 Primary Red (wheel slot 17)<br>18–18 Bright Red (wheel slot 18)<br>19–19 Medium Red (wheel slot 19)<br>20–20 Fire (wheel slot 20)<br>21–21 Pink (wheel slot 21)<br>22–22 Medium Pink (wheel slot 22)<br>23–23 Dark Pink (wheel slot 23)<br>24–24 Bright Pink (wheel slot 24)<br>25–25 Bright Rose (wheel slot 25)<br>26–26 Special Rose Pink (wheel slot 26)<br>27–27 Vanity Fair (wheel slot 27)<br>28–28 Magenta (wheel slot 28)<br>29–29 Dark Magenta (wheel slot 29)<br>30–30 Rose Purple (wheel slot 30)<br>31–31 Mauve (wheel slot 31)<br>32–32 Medium Purple (wheel slot 32)<br>33–33 Lavender (wheel slot 33)<br>34–34 Palace blue (wheel slot 34)<br>35–35 Dark Blue (wheel slot 35)<br>36–36 Medium Blue (wheel slot 36)<br>37–37 Deep Blue (wheel slot 37)<br>38–38 Daylight Blue (wheel slot 38)<br>39–39 Slate Blue (wheel slot 39)<br>40–40 Light Blue (wheel slot 40)<br>41–41 Sky Blue (wheel slot 41)<br>42–42 Pale Navy Blue (wheel slot 42)<br>43–43 Marine Blue (wheel slot 43)<br>44–44 Peacock Blue (wheel slot 44)<br>45–45 Lagoon Blue (wheel slot 45)<br>46–46 Medium Blue Green (wheel slot 46)<br>47–47 Dark Yellow Green (wheel slot 47)<br>48–48 Primary Green (wheel slot 48)<br>49–49 Fern Green (wheel slot 49)<br>50–50 Moss Green (wheel slot 50)<br>51–51 Dark Green (wheel slot 51)<br>52–52 Lime Green (wheel slot 52)<br>53–53 Pale Green (wheel slot 53)<br>54–54 Quarter CT Blue (wheel slot 54)<br>55–55 Half CT Blue (wheel slot 55)<br>56–56 Full CT Blue (wheel slot 56)<br>57–57 Double CT Blue (wheel slot 57)<br>58–58 Quarter CT Orange (wheel slot 58)<br>59–59 Half CT Orange (wheel slot 59)<br>60–60 Full CT Orange (wheel slot 60)<br>61–179 Open (wheel slot 61)<br>180–201 Clockwise fast to slow<br>202–207 Stop |

## RGB Ext (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **9** | Tint | 0 | 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 |
| **10** | C TC | 0 | 0–0 CTC<br>1–254 No Function<br>255–255 Color Mix |
| **11** | Gobo | 0 | 0–126 Min Index<br>127–127 Max Index<br>128–157 Fast<br>158–188 Med<br>189–189 Slow<br>190–193 No Rotation<br>194–223 Slow<br>224–254 Med<br>255–255 Fast |
| **12** | Gobo Fine | 0 | Fine byte of Gobo |
| **13** | Shutter / Strobe | 50 | 0–31 Shutter Closed<br>32–63 No Function (Shutter Open)<br>64–95 Strobe Effect Slow to Fast<br>96–127 No Function (Shutter Open)<br>128–159 Pulse-Effect in Sequences<br>160–191 No Function (Shutter Open)<br>192–223 Random Strobe Effect Slow to Fast<br>224–255 No Function (Shutter Open) |
| **14** | 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% |
| **15** | Dimmer Fine | 0 | Fine byte of Dimmer |

### RGB Ext (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **16** | 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>141–255 10s Delay |
| **17** | Control1 | 0 | |

## Extended

21 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Red | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **2** | Red Fine | 255 | Fine byte of Red |
| **3** | Green | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **4** | Green Fine | 255 | Fine byte of Green |
| **5** | Blue | 255 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **6** | Blue Fine | 255 | Fine byte of Blue |
| **7** | Color Add GC | 0 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **8** | Color Add GC Fine | 0 | Fine byte of Color Add GC |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **9** | Color Add RY | 0 | 0–63 0%<br>64–127 25%<br>128–190 50%<br>191–254 75%<br>255–255 100% |
| **10** | Color Add RY Fine | 0 | Fine byte of Color Add RY |
| **11** | C TO | 0 | |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 12 | Color Wheel | 0 | 0–0 Open (wheel slot 61)<br>1–1 Pale Yellow (wheel slot 1)<br>2–2 Straw (wheel slot 2)<br>3–3 Gold Tint (wheel slot 3)<br>4–4 Spring Yellow (wheel slot 4)<br>5–5 Medium Yellow (wheel slot 5)<br>6–6 Yellow (wheel slot 6)<br>7–7 Deep Amber (wheel slot 7)<br>8–8 Deep Straw (wheel slot 8)<br>9–9 Loving Amber (wheel slot 9)<br>10–10 Gold Amber (wheel slot 10)<br>11–11 Orange (wheel slot 11)<br>12–12 Deep Orange (wheel slot 12)<br>13–13 Dark Amber (wheel slot 13)<br>14–14 Millennium Gold (wheel slot 14)<br>15–15 Deep Golden Amber (wheel slot 15)<br>16–16 Scarlet (wheel slot 16)<br>17–17 Primary Red (wheel slot 17)<br>18–18 Bright Red (wheel slot 18)<br>19–19 Medium Red (wheel slot 19)<br>20–20 Fire (wheel slot 20)<br>21–21 Pink (wheel slot 21)<br>22–22 Medium Pink (wheel slot 22)<br>23–23 Dark Pink (wheel slot 23)<br>24–24 Bright Pink (wheel slot 24)<br>25–25 Bright Rose (wheel slot 25)<br>26–26 Special Rose Pink (wheel slot 26)<br>27–27 Vanity Fair (wheel slot 27)<br>28–28 Magenta (wheel slot 28)<br>29–29 Dark Magenta (wheel slot 29)<br>30–30 Rose Purple (wheel slot 30)<br>31–31 Mauve (wheel slot 31)<br>32–32 Medium Purple (wheel slot 32)<br>33–33 Lavender (wheel slot 33)<br>34–34 Palace blue (wheel slot 34)<br>35–35 Dark Blue (wheel slot 35)<br>36–36 Medium Blue (wheel slot 36)<br>37–37 Deep Blue (wheel slot 37)<br>38–38 Daylight Blue (wheel slot 38)<br>39–39 Slate Blue (wheel slot 39)<br>40–40 Light Blue (wheel slot 40)<br>41–41 Sky Blue (wheel slot 41)<br>42–42 Pale Navy Blue (wheel slot 42)<br>43–43 Marine Blue (wheel slot 43)<br>44–44 Peacock Blue (wheel slot 44)<br>45–45 Lagoon Blue (wheel slot 45)<br>46–46 Medium Blue Green (wheel slot 46)<br>47–47 Dark Yellow Green (wheel slot 47)<br>48–48 Primary Green (wheel slot 48)<br>49–49 Fern Green (wheel slot 49)<br>50–50 Moss Green (wheel slot 50)<br>51–51 Dark Green (wheel slot 51)<br>52–52 Lime Green (wheel slot 52)<br>53–53 Pale Green (wheel slot 53)<br>54–54 Quarter CT Blue (wheel slot 54)<br>55–55 Half CT Blue (wheel slot 55)<br>56–56 Full CT Blue (wheel slot 56)<br>57–57 Double CT Blue (wheel slot 57)<br>58–58 Quarter CT Orange (wheel slot 58)<br>59–59 Half CT Orange (wheel slot 59)<br>60–60 Full CT Orange (wheel slot 60)<br>61–179 Open (wheel slot 61)<br>180–201 Clockwise fast to slow<br>202–207 Stop |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **13** | Tint | 0 | 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 |
| **14** | C TC | 0 | 0–0 CTC<br>1–254 No Function<br>255–255 Color Mix |
| **15** | Gobo | 0 | 0–126 Min Index<br>127–127 Max Index<br>128–157 Fast<br>158–188 Med<br>189–189 Slow<br>190–193 No Rotation<br>194–223 Slow<br>224–254 Med<br>255–255 Fast |
| **16** | Gobo Fine | 0 | Fine byte of Gobo |
| **17** | Shutter / Strobe | 50 | 0–31 Shutter Closed<br>32–63 No Function (Shutter Open)<br>64–95 Strobe Effect Slow to Fast<br>96–127 No Function (Shutter Open)<br>128–159 Pulse-Effect in Sequences<br>160–191 No Function (Shutter Open)<br>192–223 Random Strobe Effect Slow to Fast<br>224–255 No Function (Shutter Open) |
| **18** | 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% |
| **19** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | 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>141–255 10s Delay |
| **21** | Control1 | 0 | |