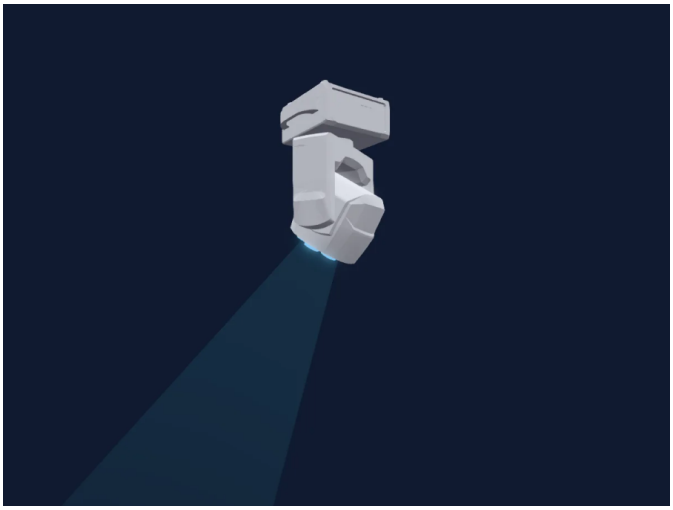
Starway

# Modena



| | |
|---|---|
| Manufacturer | **Starway** |
| Type | **Moving head** |
| DMX modes | **9** |
| DMX footprint | **13, 15, 19, 21, 23, 25, 27, 28 channels** |
| Beam angle | **5-54°** |
| Pan range | **540°** |
| Tilt range | **270°** |
| Heads / cells | **2** |
| Size (W × H × D) | **180 × 150 × 180 mm** |
| GDTF fixture type | **33B48BF8-726A-4264-96F9-D6…** |

## Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Movement speed

## Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

## DMX modes

| | |
|---|---|
| Pixel 16b Mode 69CH | 13 ch |
| Pixel 8b Mode 41CH | 13 ch |
| Basic 8B Mode 15CH | 15 ch |
| Basic 16B Mode 19CH | 19 ch |
| Standard 8b Mode 21CH | 21 ch |
| Extended 8B Mode 23CH | 23 ch |
| Standard 16b Mode 25CH | 25 ch |
| Extended 16B Mode 27CH | 27 ch |
| M-B Mode 28CH | 28 ch |

## Pixel 16b Mode 69CH

13 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 | Position MSpeed | 0 | 0–225 Rapide a Lent<br>226–235 BlackoutMode<br>236–255 NoFeature |
| 6 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 7 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 8 | White Fine | 255 | |
| 9 | Color Wheel | 0 | 0–0 RGBW Max (wheel slot 1)<br>1–1 White 10000 K (wheel slot 2)<br>2–2 White 8000 K (wheel slot 3)<br>3–3 White 6500 K (wheel slot 4)<br>4–4 White 5600 K (wheel slot 5)<br>5–5 White 5000 K (wheel slot 6)<br>6–6 White 4500 K (wheel slot 7)<br>7–7 White 4000 K (wheel slot 8)<br>8–8 White 3200 K (wheel slot 9)<br>9–9 White 3000 K (wheel slot 10)<br>10–10 White 2700 K (wheel slot 11)<br>11–18 Red (wheel slot 12)<br>19–26 Wheel Slot 2 (wheel slot 13)<br>27–34 Wheel Slot 3 (wheel slot 14)<br>35–42 Wheel Slot 4 (wheel slot 15)<br>43–50 Wheel Slot 5 (wheel slot 16)<br>51–58 Yellow (wheel slot 17)<br>59–66 Wheel Slot 7 (wheel slot 18)<br>67–74 Wheel Slot 8 (wheel slot 19)<br>75–82 Wheel Slot 9 (wheel slot 20)<br>83–90 Wheel Slot 10 (wheel slot 21)<br>91–98 Green (wheel slot 22)<br>99–106 Wheel Slot 1 (wheel slot 23)<br>107–114 Wheel Slot 6 (wheel slot 24)<br>115–122 Wheel Slot 11 (wheel slot 25)<br>123–130 Wheel Slot 12 (wheel slot 26)<br>131–138 Cyan (wheel slot 27)<br>139–146 Wheel Slot 14 (wheel slot 28)<br>147–154 Wheel Slot 13 (wheel slot 29)<br>155–162 Wheel Slot 15 (wheel slot 30)<br>163–170 Wheel Slot 16 (wheel slot 31)<br>171–178 Bleu (wheel slot 32)<br>179–186 Wheel Slot 17 (wheel slot 33)<br>187–194 Wheel Slot 18 (wheel slot 34)<br>195–202 Wheel Slot 19 (wheel slot 35)<br>203–210 Wheel Slot 20 (wheel slot 36)<br>211–218 Magenta (wheel slot 37)<br>219–226 Wheel Slot 21 (wheel slot 38)<br>227–234 Wheel Slot 22 (wheel slot 39)<br>235–242 Wheel Slot 23 (wheel slot 40)<br>243–249 Wheel Slot 24 (wheel slot 41)<br>250–250 Wheel Slot 25 (wheel slot 42)<br>251–255 Color1WheelSpin 3 |
| 10 | Color Wheel Select MSpeed | 0 | 0–0 Rotation Fast<br>1–254 Rotation Fast to slow<br>255–255 Rotation Slow |

### Pixel 16b Mode 69CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **11** | Zoom | 128 | 0–127 Narrow<br>128–254 Medium<br>255–255 Wide |
| **12** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to Unit Setting |
| **13** | Control1 | 0 | 0–5 NoFeature<br>6–17 Inversion Pan on (Maintient 3s)<br>18–29 Inversion Pan off (Maintient 3s)<br>30–41 Inversion tilt on (Maintient 3s)<br>42–53 Inversion tilt off (Maintient 3s)<br>54–65 Fan Silent (Maintient 3s)<br>66–77 Fan Auto (Maintient 3s)<br>78–89 Fan High (Maintient 3s)<br>90–101 Courbe Linear (Maintient 3s)<br>102–113 Courbe Square (Maintient 3s)<br>114–125 Courbe Inv-Square (Maintient 3s)<br>126–131 Courbe S (Maintient 3s)<br>132–137 Led Freq 900 Hz (Maintient 3s)<br>138–143 Led Freq 1000 Hz (Maintient 3s)<br>144–149 Led Freq 1100 Hz (Maintient 3s)<br>150–155 Led Freq 1200 Hz (Maintient 3s)<br>156–161 Led Freq 1300 Hz (Maintient 3s)<br>162–167 Led Freq 1400 Hz (Maintient 3s)<br>168–173 Led Freq 1500 Hz (Maintient 3s)<br>174–179 Led Freq 2500 Hz (Maintient 3s)<br>180–185 Led Freq 4000 Hz (Maintient 3s)<br>186–191 Led Freq 5000 Hz (Maintient 3s)<br>192–197 Led Freq 10000 Hz (Maintient 3s)<br>198–203 Led Freq 15000 Hz (Maintient 3s)<br>204–209 Led Freq 20000 Hz (Maintient 3s)<br>210–215 Led Freq 25000 Hz (Maintient 3s)<br>216–218 pan/tilt reset(Maintient 3s)<br>219–221 only Head reset (Maintient 3s)<br>222–224 Reset general (Maintient 3s)<br>225–234 NoFeature 1<br>235–237 Klingnet Desactive<br>238–240 Leds controled Klingnet only<br>241–243 Leds controled Klingnet + Dmx<br>244–246 Klingnet Calibration OFF<br>247–249 Klingnet Calibration ON<br>250–252 White Calibred by IC (Maintient 3s)<br>253–255 Fixed White values (Maintient 3s) |

## Pixel 8b Mode 41CH

13 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** | Position MSpeed | 0 | 0–225 Rapide a Lent<br>226–235 BlackoutMode<br>236–255 NoFeature |
| **6** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |

## Pixel 8b Mode 41CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **8** | Shutter / Strobe | 255 | 0–9 Shutter closed<br>10–19 Shutter open<br>20–20 Strobe Slow<br>21–67 Strobe Slow to fast<br>68–68 Strobe fast<br>69–79 No function (shutter open2)<br>80–80 Pulse slow<br>81–127 Pulse slow to fast<br>128–128 Pulse fast<br>129–139 No function (shutter open3)<br>140–140 Random Slow<br>141–187 Random Slow to fast<br>188–188 Random fast<br>189–199 No function (shutter open4)<br>200–200 Random Slow<br>201–247 Random Slow to fast<br>248–248 Random Fast<br>249–255 No function (shutter open5) |
| **9** | Color Wheel | 0 | 0–0 RGBW Max (wheel slot 1)<br>1–1 White 10000 K (wheel slot 2)<br>2–2 White 8000 K (wheel slot 3)<br>3–3 White 6500 K (wheel slot 4)<br>4–4 White 5600 K (wheel slot 5)<br>5–5 White 5000 K (wheel slot 6)<br>6–6 White 4500 K (wheel slot 7)<br>7–7 White 4000 K (wheel slot 8)<br>8–8 White 3200 K (wheel slot 9)<br>9–9 White 3000 K (wheel slot 10)<br>10–10 White 2700 K (wheel slot 11)<br>11–18 Red (wheel slot 12)<br>19–26 Wheel Slot 2 (wheel slot 13)<br>27–34 Wheel Slot 3 (wheel slot 14)<br>35–42 Wheel Slot 4 (wheel slot 15)<br>43–50 Wheel Slot 5 (wheel slot 16)<br>51–58 Yellow (wheel slot 17)<br>59–66 Wheel Slot 7 (wheel slot 18)<br>67–74 Wheel Slot 8 (wheel slot 19)<br>75–82 Wheel Slot 9 (wheel slot 20)<br>83–90 Wheel Slot 10 (wheel slot 21)<br>91–98 Green (wheel slot 22)<br>99–106 Wheel Slot 1 (wheel slot 23)<br>107–114 Wheel Slot 6 (wheel slot 24)<br>115–122 Wheel Slot 11 (wheel slot 25)<br>123–130 Wheel Slot 12 (wheel slot 26)<br>131–138 Cyan (wheel slot 27)<br>139–146 Wheel Slot 14 (wheel slot 28)<br>147–154 Wheel Slot 13 (wheel slot 29)<br>155–162 Wheel Slot 15 (wheel slot 30)<br>163–170 Wheel Slot 16 (wheel slot 31)<br>171–178 Bleu (wheel slot 32)<br>179–186 Wheel Slot 17 (wheel slot 33)<br>187–194 Wheel Slot 18 (wheel slot 34)<br>195–202 Wheel Slot 19 (wheel slot 35)<br>203–210 Wheel Slot 20 (wheel slot 36)<br>211–218 Magenta (wheel slot 37)<br>219–226 Wheel Slot 21 (wheel slot 38)<br>227–234 Wheel Slot 22 (wheel slot 39)<br>235–242 Wheel Slot 23 (wheel slot 40)<br>243–249 Wheel Slot 24 (wheel slot 41)<br>250–250 Wheel Slot 25 (wheel slot 42)<br>251–255 Color1WheelSpin 3 |

### Pixel 8b Mode 41CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Color Wheel Select MSpeed | 0 | 0–0 Rotation Fast<br>1–254 Rotation Fast to slow<br>255–255 Rotation Slow |
| **11** | Zoom | 128 | 0–127 Narrow<br>128–254 Medium<br>255–255 Wide |
| **12** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to Unit Setting |
| **13** | Control1 | 0 | 0–5 NoFeature<br>6–17 Inversion Pan on (Maintient 3s)<br>18–29 Inversion Pan off (Maintient 3s)<br>30–41 Inversion tilt on (Maintient 3s)<br>42–53 Inversion tilt off (Maintient 3s)<br>54–65 Fan Silent (Maintient 3s)<br>66–77 Fan Auto (Maintient 3s)<br>78–89 Fan High (Maintient 3s)<br>90–101 Courbe Linear (Maintient 3s)<br>102–113 Courbe Square (Maintient 3s)<br>114–125 Courbe Inv-Square (Maintient 3s)<br>126–131 Courbe S (Maintient 3s)<br>132–137 Led Freq 900 Hz (Maintient 3s)<br>138–143 Led Freq 1000 Hz (Maintient 3s)<br>144–149 Led Freq 1100 Hz (Maintient 3s)<br>150–155 Led Freq 1200 Hz (Maintient 3s)<br>156–161 Led Freq 1300 Hz (Maintient 3s)<br>162–167 Led Freq 1400 Hz (Maintient 3s)<br>168–173 Led Freq 1500 Hz (Maintient 3s)<br>174–179 Led Freq 2500 Hz (Maintient 3s)<br>180–185 Led Freq 4000 Hz (Maintient 3s)<br>186–191 Led Freq 5000 Hz (Maintient 3s)<br>192–197 Led Freq 10000 Hz (Maintient 3s)<br>198–203 Led Freq 15000 Hz (Maintient 3s)<br>204–209 Led Freq 20000 Hz (Maintient 3s)<br>210–215 Led Freq 25000 Hz (Maintient 3s)<br>216–218 pan/tilt reset(Maintient 3s)<br>219–221 only Head reset (Maintient 3s)<br>222–224 Reset general (Maintient 3s)<br>225–234 NoFeature 1<br>235–237 Klingnet Desactive<br>238–240 Leds controled Klingnet only<br>241–243 Leds controled Klingnet + Dmx<br>244–246 Klingnet Calibration OFF<br>247–249 Klingnet Calibration ON<br>250–252 White Calibred by IC (Maintient 3s)<br>253–255 Fixed White values (Maintient 3s) |

## Basic 8B Mode 15CH

15 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 |

## Basic 8B Mode 15CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **5** | Position MSpeed | 0 | 0–225 Max to min speed<br>226–235 Blackout by movement<br>236–255 No function |
| **6** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **7** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **8** | Shutter / Strobe | 255 | 0–9 Shutter closed<br>10–19 Shutter open<br>20–20 Strobe Slow<br>21–67 Strobe Slow to fast<br>68–68 Strobe fast<br>69–79 No function (shutter open2)<br>80–80 Pulse slow<br>81–127 Pulse slow to fast<br>128–128 Pulse fast<br>129–139 No function (shutter open3)<br>140–140 Random Slow<br>141–187 Random Slow to fast<br>188–188 Random fast<br>189–199 No function (shutter open4)<br>200–200 Random Slow<br>201–247 Random Slow to fast<br>248–248 Random Fast<br>249–255 No function (shutter open5) |
| **9** | Zoom | 128 | 0–127 Narrow<br>128–254 Medium<br>255–255 Wide |
| **10** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to Unit Setting |

### Basic 8B Mode 15CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **11** | Control1 | 0 | 0–5 NoFeature<br>6–17 Inversion Pan on (Maintient 3s)<br>18–29 Inversion Pan off (Maintient 3s)<br>30–41 Inversion tilt on (Maintient 3s)<br>42–53 Inversion tilt off (Maintient 3s)<br>54–65 Fan Silent (Maintient 3s)<br>66–77 Fan Auto (Maintient 3s)<br>78–89 Fan High (Maintient 3s)<br>90–101 Courbe Linear (Maintient 3s)<br>102–113 Courbe Square (Maintient 3s)<br>114–125 Courbe Inv-Square (Maintient 3s)<br>126–131 Courbe S (Maintient 3s)<br>132–137 Led Freq 900 Hz (Maintient 3s)<br>138–143 Led Freq 1000 Hz (Maintient 3s)<br>144–149 Led Freq 1100 Hz (Maintient 3s)<br>150–155 Led Freq 1200 Hz (Maintient 3s)<br>156–161 Led Freq 1300 Hz (Maintient 3s)<br>162–167 Led Freq 1400 Hz (Maintient 3s)<br>168–173 Led Freq 1500 Hz (Maintient 3s)<br>174–179 Led Freq 2500 Hz (Maintient 3s)<br>180–185 Led Freq 4000 Hz (Maintient 3s)<br>186–191 Led Freq 5000 Hz (Maintient 3s)<br>192–197 Led Freq 10000 Hz (Maintient 3s)<br>198–203 Led Freq 15000 Hz (Maintient 3s)<br>204–209 Led Freq 20000 Hz (Maintient 3s)<br>210–215 Led Freq 25000 Hz (Maintient 3s)<br>216–218 Reset Pan/Tilt (Maintient 3s)<br>219–221 Reset only Head (Maintient 3s)<br>222–224 Reset All Functions (Maintient 3s)<br>225–234 No used<br>235–237 Klingnet Disable<br>238–240 Leds controled Klingnet only<br>241–243 Leds controled Klingnet + Dmx<br>244–246 Klingnet Calibration OFF<br>247–249 Klingnet Calibration ON<br>250–252 White Calibred by IC (Maintient 3s)<br>253–255 Fixed White values (Maintient 3s) |
| **12** | Red | 255 | |
| **13** | Green | 255 | |
| **14** | Blue | 255 | |
| **15** | White | 255 | |

## Basic 16B Mode 19CH

19 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** | Position MSpeed | 0 | 0–225 Max to min speed<br>226–235 Blackout by movement<br>236–255 No function |
| **6** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **7** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Basic 16B Mode 19CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Shutter / Strobe | 255 | 0–9 Shutter closed<br>10–19 Shutter open<br>20–20 Strobe Slow<br>21–67 Strobe Slow to fast<br>68–68 Strobe fast<br>69–79 No function (shutter open2)<br>80–80 Pulse slow<br>81–127 Pulse slow to fast<br>128–128 Pulse fast<br>129–139 No function (shutter open3)<br>140–140 Random Slow<br>141–187 Random Slow to fast<br>188–188 Random fast<br>189–199 No function (shutter open4)<br>200–200 Random Slow<br>201–247 Random Slow to fast<br>248–248 Random Fast<br>249–255 No function (shutter open5) |
| **9** | Zoom | 128 | 0–127 Narrow<br>128–254 Medium<br>255–255 Wide |
| **10** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to Unit Setting |

### Basic 16B Mode 19CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **11** | Control1 | 0 | 0–5 NoFeature<br>6–17 Inversion Pan on (Maintient 3s)<br>18–29 Inversion Pan off (Maintient 3s)<br>30–41 Inversion tilt on (Maintient 3s)<br>42–53 Inversion tilt off (Maintient 3s)<br>54–65 Fan Silent (Maintient 3s)<br>66–77 Fan Auto (Maintient 3s)<br>78–89 Fan High (Maintient 3s)<br>90–101 Courbe Linear (Maintient 3s)<br>102–113 Courbe Square (Maintient 3s)<br>114–125 Courbe Inv-Square (Maintient 3s)<br>126–131 Courbe S (Maintient 3s)<br>132–137 Led Freq 900 Hz (Maintient 3s)<br>138–143 Led Freq 1000 Hz (Maintient 3s)<br>144–149 Led Freq 1100 Hz (Maintient 3s)<br>150–155 Led Freq 1200 Hz (Maintient 3s)<br>156–161 Led Freq 1300 Hz (Maintient 3s)<br>162–167 Led Freq 1400 Hz (Maintient 3s)<br>168–173 Led Freq 1500 Hz (Maintient 3s)<br>174–179 Led Freq 2500 Hz (Maintient 3s)<br>180–185 Led Freq 4000 Hz (Maintient 3s)<br>186–191 Led Freq 5000 Hz (Maintient 3s)<br>192–197 Led Freq 10000 Hz (Maintient 3s)<br>198–203 Led Freq 15000 Hz (Maintient 3s)<br>204–209 Led Freq 20000 Hz (Maintient 3s)<br>210–215 Led Freq 25000 Hz (Maintient 3s)<br>216–218 Reset Pan/Tilt (Maintient 3s)<br>219–221 Reset only Head (Maintient 3s)<br>222–224 Reset All Functions (Maintient 3s)<br>225–234 No used<br>235–237 Klingnet Disable<br>238–240 Leds controled Klingnet only<br>241–243 Leds controled Klingnet + Dmx<br>244–246 Klingnet Calibration OFF<br>247–249 Klingnet Calibration ON<br>250–252 White Calibred by IC (Maintient 3s)<br>253–255 Fixed White values (Maintient 3s) |
| **12** | Red | 255 | |
| **13** | Red Fine | 255 | Fine byte of Red |
| **14** | Green | 255 | |
| **15** | Green Fine | 255 | Fine byte of Green |
| **16** | Blue | 255 | |
| **17** | Blue Fine | 255 | Fine byte of Blue |
| **18** | White | 255 | |
| **19** | White Fine | 255 | Fine byte of White |

## Standard 8b Mode 21CH

21 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** | Position MSpeed | 0 | 0–225 Max to min speed<br>226–235 Blackout by movement<br>236–255 No function |

## Standard 8b Mode 21CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **7** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **8** | Shutter / Strobe | 255 | 0–9 Shutter closed<br>10–19 Shutter open<br>20–20 Strobe Slow<br>21–67 Strobe Slow to fast<br>68–68 Strobe fast<br>69–79 No function (shutter open2)<br>80–80 Pulse slow<br>81–127 Pulse slow to fast<br>128–128 Pulse fast<br>129–139 No function (shutter open3)<br>140–140 Random Slow<br>141–187 Random Slow to fast<br>188–188 Random fast<br>189–199 No function (shutter open4)<br>200–200 Random Slow<br>201–247 Random Slow to fast<br>248–248 Random Fast<br>249–255 No function (shutter open5) |

## Standard 8b Mode 21CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 9 | Color Wheel | 0 | 0–0 RGBW Max (wheel slot 1)<br>1–1 White 10000 K (wheel slot 2)<br>2–2 White 8000 K (wheel slot 3)<br>3–3 White 6500 K (wheel slot 4)<br>4–4 White 5600 K (wheel slot 5)<br>5–5 White 5000 K (wheel slot 6)<br>6–6 White 4500 K (wheel slot 7)<br>7–7 White 4000 K (wheel slot 8)<br>8–8 White 3200 K (wheel slot 9)<br>9–9 White 3000 K (wheel slot 10)<br>10–10 White 2700 K (wheel slot 11)<br>11–18 Red (wheel slot 12)<br>19–26 Wheel Slot 2 (wheel slot 13)<br>27–34 Wheel Slot 3 (wheel slot 14)<br>35–42 Wheel Slot 4 (wheel slot 15)<br>43–50 Wheel Slot 5 (wheel slot 16)<br>51–58 Yellow (wheel slot 17)<br>59–66 Wheel Slot 7 (wheel slot 18)<br>67–74 Wheel Slot 8 (wheel slot 19)<br>75–82 Wheel Slot 9 (wheel slot 20)<br>83–90 Wheel Slot 10 (wheel slot 21)<br>91–98 Green (wheel slot 22)<br>99–106 Wheel Slot 1 (wheel slot 23)<br>107–114 Wheel Slot 6 (wheel slot 24)<br>115–122 Wheel Slot 11 (wheel slot 25)<br>123–130 Wheel Slot 12 (wheel slot 26)<br>131–138 Cyan (wheel slot 27)<br>139–146 Wheel Slot 14 (wheel slot 28)<br>147–154 Wheel Slot 13 (wheel slot 29)<br>155–162 Wheel Slot 15 (wheel slot 30)<br>163–170 Wheel Slot 16 (wheel slot 31)<br>171–178 Blue (wheel slot 32)<br>179–186 Wheel Slot 17 (wheel slot 33)<br>187–194 Wheel Slot 18 (wheel slot 34)<br>195–202 Wheel Slot 19 (wheel slot 35)<br>203–210 Wheel Slot 20 (wheel slot 36)<br>211–218 Magenta (wheel slot 37)<br>219–226 Wheel Slot 21 (wheel slot 38)<br>227–234 Wheel Slot 22 (wheel slot 39)<br>235–242 Wheel Slot 23 (wheel slot 40)<br>243–249 Wheel Slot 24 (wheel slot 41)<br>250–250 Wheel Slot 25 (wheel slot 42)<br>251–255 Color1WheelSpin 1 |

## Standard 8b Mode 21CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Color Wheel 2 | 0 | 0–0 RGBW Max (wheel slot 1)<br>1–1 White 10000 K (wheel slot 2)<br>2–2 White 8000 K (wheel slot 3)<br>3–3 White 6500 K (wheel slot 4)<br>4–4 White 5600 K (wheel slot 5)<br>5–5 White 5000 K (wheel slot 6)<br>6–6 White 4500 K (wheel slot 7)<br>7–7 White 4000 K (wheel slot 8)<br>8–8 White 3200 K (wheel slot 9)<br>9–9 White 3000 K (wheel slot 10)<br>10–10 White 2700 K (wheel slot 11)<br>11–18 Red (wheel slot 12)<br>19–26 Wheel Slot 2 (wheel slot 13)<br>27–34 Wheel Slot 3 (wheel slot 14)<br>35–42 Wheel Slot 4 (wheel slot 15)<br>43–50 Wheel Slot 5 (wheel slot 16)<br>51–58 Yellow (wheel slot 17)<br>59–66 Wheel Slot 7 (wheel slot 18)<br>67–74 Wheel Slot 8 (wheel slot 19)<br>75–82 Wheel Slot 9 (wheel slot 20)<br>83–90 Wheel Slot 10 (wheel slot 21)<br>91–98 Green (wheel slot 22)<br>99–106 Wheel Slot 1 (wheel slot 23)<br>107–114 Wheel Slot 6 (wheel slot 24)<br>115–122 Wheel Slot 11 (wheel slot 25)<br>123–130 Wheel Slot 12 (wheel slot 26)<br>131–138 Cyan (wheel slot 27)<br>139–146 Wheel Slot 14 (wheel slot 28)<br>147–154 Wheel Slot 13 (wheel slot 29)<br>155–162 Wheel Slot 15 (wheel slot 30)<br>163–170 Wheel Slot 16 (wheel slot 31)<br>171–178 Blue (wheel slot 32)<br>179–186 Wheel Slot 17 (wheel slot 33)<br>187–194 Wheel Slot 18 (wheel slot 34)<br>195–202 Wheel Slot 19 (wheel slot 35)<br>203–210 Wheel Slot 20 (wheel slot 36)<br>211–218 Magenta (wheel slot 37)<br>219–226 Wheel Slot 21 (wheel slot 38)<br>227–234 Wheel Slot 22 (wheel slot 39)<br>235–242 Wheel Slot 23 (wheel slot 40)<br>243–249 Wheel Slot 24 (wheel slot 41)<br>250–250 Wheel Slot 25 (wheel slot 42)<br>251–253 Color Wheel rotation between the color level 12 to...<br>254–255 Color rotation backward |
| **11** | Color Wheel Select MSpeed | 0 | 0–0 Rotation Fast<br>1–254 Rotation Fast to slow<br>255–255 Rotation Slow |

## Standard 8b Mode 21CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **12** | Effect | 0 | 0–9 No Program<br>10–19 Program 1<br>20–29 Program 2<br>30–39 Program 3<br>40–49 Program 4<br>50–59 Program 5<br>60–69 Program 6<br>70–79 Program 7<br>80–89 Program 8<br>90–99 Program 9<br>100–109 Program 10<br>110–119 Program 11<br>120–129 Program 12<br>130–139 Program 13<br>140–149 Program 14<br>150–159 Program 15<br>160–169 Program 16<br>170–179 Program 17<br>180–189 Program 18<br>190–199 Program 19<br>200–209 Program 20<br>210–255 No used |
| **13** | Effects1Adjust1 | 0 | 0–4 Static step 1<br>5–9 Static step 2<br>10–14 Static step 3<br>15–19 Static step 4<br>20–24 Static step 5<br>25–29 Static step 6<br>30–34 Static step 7<br>35–39 Static step 8<br>40–145 Chase sens horaire (fast to low)<br>146–149 Stop<br>150–255 Chase sens anti-horaire (fast to low) |
| **14** | Effects1Fade | 0 | 0–0 Normal<br>1–255 Fast to low |
| **15** | Zoom | 128 | 0–127 Narrow<br>128–254 Medium<br>255–255 Wide |
| **16** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to Unit Setting |

### Standard 8b Mode 21CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **17** | Control1 | 0 | 0–5 NoFeature<br>6–17 Inversion Pan on (Maintient 3s)<br>18–29 Inversion Pan off (Maintient 3s)<br>30–41 Inversion tilt on (Maintient 3s)<br>42–53 Inversion tilt off (Maintient 3s)<br>54–65 Fan Silent (Maintient 3s)<br>66–77 Fan Auto (Maintient 3s)<br>78–89 Fan High (Maintient 3s)<br>90–101 Linear Dimmer Curve(Maintient 3s)<br>102–113 Square Dimmer Curve (Maintient 3s)<br>114–125 Inv-Square Dimmer Curve (Maintient 3s)<br>126–131 S - Dimmer Curve (Maintient 3s)<br>132–137 Led Freq 900 Hz (Maintient 3s)<br>138–143 Led Freq 1000 Hz (Maintient 3s)<br>144–149 Led Freq 1100 Hz (Maintient 3s)<br>150–155 Led Freq 1200 Hz (Maintient 3s)<br>156–161 Led Freq 1300 Hz (Maintient 3s)<br>162–167 Led Freq 1400 Hz (Maintient 3s)<br>168–173 Led Freq 1500 Hz (Maintient 3s)<br>174–179 Led Freq 2500 Hz (Maintient 3s)<br>180–185 Led Freq 4000 Hz (Maintient 3s)<br>186–191 Led Freq 5000 Hz (Maintient 3s)<br>192–197 Led Freq 10000 Hz (Maintient 3s)<br>198–203 Led Freq 15000 Hz (Maintient 3s)<br>204–209 Led Freq 20000 Hz (Maintient 3s)<br>210–215 Led Freq 25000 Hz (Maintient 3s)<br>216–218 pan/tilt reset(Maintient 3s)<br>219–221 only Head reset (Maintient 3s)<br>222–224 Reset All Functions(Maintient 3s)<br>225–234 NoFeature 1<br>235–237 Klingnet Desactive<br>238–240 Leds controled Klingnet only<br>241–243 Leds controled Klingnet + Dmx<br>244–246 Klingnet Calibration OFF<br>247–249 Klingnet Calibration ON<br>250–252 White Calibred by IC (Maintient 3s)<br>253–255 Fixed White values (Maintient 3s) |
| **18** | Red | 255 | |
| **19** | Green | 255 | |
| **20** | Blue | 255 | |
| **21** | White | 255 | |

## Extended 8B Mode 23CH

23 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** | Position MSpeed | 0 | 0–225 Max to min speed<br>226–235 Blackout by movement<br>236–255 No function |
| **6** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **7** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Extended 8B Mode 23CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Shutter / Strobe | 255 | 0–9 Shutter closed<br>10–19 Shutter open<br>20–20 Strobe Slow<br>21–67 Strobe Slow to fast<br>68–68 Strobe fast<br>69–79 No function (shutter open2)<br>80–80 Pulse slow<br>81–127 Pulse slow to fast<br>128–128 Pulse fast<br>129–139 No function (shutter open3)<br>140–140 Random Slow<br>141–187 Random Slow to fast<br>188–188 Random fast<br>189–199 No function (shutter open4)<br>200–200 Random Slow<br>201–247 Random Slow to fast<br>248–248 Random Fast<br>249–255 No function (shutter open5) |
| **9** | Foreground Dimmer | 0 | 0–254 closed<br>255–255 open |

## Extended 8B Mode 23CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Color Wheel | 0 | 0–0 RGBW Max (wheel slot 1)<br>1–1 White 10000 K (wheel slot 2)<br>2–2 White 8000 K (wheel slot 3)<br>3–3 White 6500 K (wheel slot 4)<br>4–4 White 5600 K (wheel slot 5)<br>5–5 White 5000 K (wheel slot 6)<br>6–6 White 4500 K (wheel slot 7)<br>7–7 White 4000 K (wheel slot 8)<br>8–8 White 3200 K (wheel slot 9)<br>9–9 White 3000 K (wheel slot 10)<br>10–10 White 2700 K (wheel slot 11)<br>11–18 Red (wheel slot 12)<br>19–26 Wheel Slot 2 (wheel slot 13)<br>27–34 Wheel Slot 3 (wheel slot 14)<br>35–42 Wheel Slot 4 (wheel slot 15)<br>43–50 Wheel Slot 5 (wheel slot 16)<br>51–58 Yellow (wheel slot 17)<br>59–66 Wheel Slot 7 (wheel slot 18)<br>67–74 Wheel Slot 8 (wheel slot 19)<br>75–82 Wheel Slot 9 (wheel slot 20)<br>83–90 Wheel Slot 10 (wheel slot 21)<br>91–98 Green (wheel slot 22)<br>99–106 Wheel Slot 1 (wheel slot 23)<br>107–114 Wheel Slot 6 (wheel slot 24)<br>115–122 Wheel Slot 11 (wheel slot 25)<br>123–130 Wheel Slot 12 (wheel slot 26)<br>131–138 Cyan (wheel slot 27)<br>139–146 Wheel Slot 14 (wheel slot 28)<br>147–154 Wheel Slot 13 (wheel slot 29)<br>155–162 Wheel Slot 15 (wheel slot 30)<br>163–170 Wheel Slot 16 (wheel slot 31)<br>171–178 Blue (wheel slot 32)<br>179–186 Wheel Slot 17 (wheel slot 33)<br>187–194 Wheel Slot 18 (wheel slot 34)<br>195–202 Wheel Slot 19 (wheel slot 35)<br>203–210 Wheel Slot 20 (wheel slot 36)<br>211–218 Magenta (wheel slot 37)<br>219–226 Wheel Slot 21 (wheel slot 38)<br>227–234 Wheel Slot 22 (wheel slot 39)<br>235–242 Wheel Slot 23 (wheel slot 40)<br>243–249 Wheel Slot 24 (wheel slot 41)<br>250–250 Wheel Slot 25 (wheel slot 42)<br>251–255 Color1WheelSpin 1 |
| **11** | Background Dimmer | 0 | 0–254 closed<br>255–255 open |

## Extended 8B Mode 23CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **12** | Color Wheel 2 | 0 | 0–0 RGBW Max (wheel slot 1)<br>1–1 White 10000 K (wheel slot 2)<br>2–2 White 8000 K (wheel slot 3)<br>3–3 White 6500 K (wheel slot 4)<br>4–4 White 5600 K (wheel slot 5)<br>5–5 White 5000 K (wheel slot 6)<br>6–6 White 4500 K (wheel slot 7)<br>7–7 White 4000 K (wheel slot 8)<br>8–8 White 3200 K (wheel slot 9)<br>9–9 White 3000 K (wheel slot 10)<br>10–10 White 2700 K (wheel slot 11)<br>11–18 Red (wheel slot 12)<br>19–26 Wheel Slot 2 (wheel slot 13)<br>27–34 Wheel Slot 3 (wheel slot 14)<br>35–42 Wheel Slot 4 (wheel slot 15)<br>43–50 Wheel Slot 5 (wheel slot 16)<br>51–58 Yellow (wheel slot 17)<br>59–66 Wheel Slot 7 (wheel slot 18)<br>67–74 Wheel Slot 8 (wheel slot 19)<br>75–82 Wheel Slot 9 (wheel slot 20)<br>83–90 Wheel Slot 10 (wheel slot 21)<br>91–98 Green (wheel slot 22)<br>99–106 Wheel Slot 1 (wheel slot 23)<br>107–114 Wheel Slot 6 (wheel slot 24)<br>115–122 Wheel Slot 11 (wheel slot 25)<br>123–130 Wheel Slot 12 (wheel slot 26)<br>131–138 Cyan (wheel slot 27)<br>139–146 Wheel Slot 14 (wheel slot 28)<br>147–154 Wheel Slot 13 (wheel slot 29)<br>155–162 Wheel Slot 15 (wheel slot 30)<br>163–170 Wheel Slot 16 (wheel slot 31)<br>171–178 Blue (wheel slot 32)<br>179–186 Wheel Slot 17 (wheel slot 33)<br>187–194 Wheel Slot 18 (wheel slot 34)<br>195–202 Wheel Slot 19 (wheel slot 35)<br>203–210 Wheel Slot 20 (wheel slot 36)<br>211–218 Magenta (wheel slot 37)<br>219–226 Wheel Slot 21 (wheel slot 38)<br>227–234 Wheel Slot 22 (wheel slot 39)<br>235–242 Wheel Slot 23 (wheel slot 40)<br>243–249 Wheel Slot 24 (wheel slot 41)<br>250–250 Wheel Slot 25 (wheel slot 42)<br>251–253 Color Wheel rotation between the color level 12 to...<br>254–255 Color rotation backward |
| **13** | Color Wheel Select MSpeed | 0 | 0–0 Rotation Fast<br>1–254 Rotation Fast to slow<br>255–255 Rotation Slow |

## Extended 8B Mode 23CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **14** | Effect | 0 | 0–9 No Program<br>10–19 Program 1<br>20–29 Program 2<br>30–39 Program 3<br>40–49 Program 4<br>50–59 Program 5<br>60–69 Program 6<br>70–79 Program 7<br>80–89 Program 8<br>90–99 Program 9<br>100–109 Program 10<br>110–119 Program 11<br>120–129 Program 12<br>130–139 Program 13<br>140–149 Program 14<br>150–159 Program 15<br>160–169 Program 16<br>170–179 Program 17<br>180–189 Program 18<br>190–199 Program 19<br>200–209 Program 20<br>210–255 No used |
| **15** | Effects1Adjust1 | 0 | 0–4 Static step 1<br>5–9 Static step 2<br>10–14 Static step 3<br>15–19 Static step 4<br>20–24 Static step 5<br>25–29 Static step 6<br>30–34 Static step 7<br>35–39 Static step 8<br>40–145 Chase sens horaire (fast to low)<br>146–149 Stop<br>150–255 Chase sens anti-horaire (fast to low) |
| **16** | Effects1Fade | 0 | 0–0 Normal<br>1–255 Fast to low |
| **17** | Zoom | 128 | 0–127 Narrow<br>128–254 Medium<br>255–255 Wide |
| **18** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to Unit Setting |

### Extended 8B Mode 23CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **19** | Control1 | 0 | 0–5 NoFeature<br>6–17 Inversion Pan on (Maintient 3s)<br>18–29 Inversion Pan off (Maintient 3s)<br>30–41 Inversion tilt on (Maintient 3s)<br>42–53 Inversion tilt off (Maintient 3s)<br>54–65 Fan Silent (Maintient 3s)<br>66–77 Fan Auto (Maintient 3s)<br>78–89 Fan High (Maintient 3s)<br>90–101 Linear Dimmer Curve(Maintient 3s)<br>102–113 Square Dimmer Curve (Maintient 3s)<br>114–125 Inv-Square Dimmer Curve (Maintient 3s)<br>126–131 S - Dimmer Curve (Maintient 3s)<br>132–137 Led Freq 900 Hz (Maintient 3s)<br>138–143 Led Freq 1000 Hz (Maintient 3s)<br>144–149 Led Freq 1100 Hz (Maintient 3s)<br>150–155 Led Freq 1200 Hz (Maintient 3s)<br>156–161 Led Freq 1300 Hz (Maintient 3s)<br>162–167 Led Freq 1400 Hz (Maintient 3s)<br>168–173 Led Freq 1500 Hz (Maintient 3s)<br>174–179 Led Freq 2500 Hz (Maintient 3s)<br>180–185 Led Freq 4000 Hz (Maintient 3s)<br>186–191 Led Freq 5000 Hz (Maintient 3s)<br>192–197 Led Freq 10000 Hz (Maintient 3s)<br>198–203 Led Freq 15000 Hz (Maintient 3s)<br>204–209 Led Freq 20000 Hz (Maintient 3s)<br>210–215 Led Freq 25000 Hz (Maintient 3s)<br>216–218 pan/tilt reset(Maintient 3s)<br>219–221 only Head reset (Maintient 3s)<br>222–224 Reset All Functions(Maintient 3s)<br>225–234 NoFeature 1<br>235–237 Klingnet Desactive<br>238–240 Leds controled Klingnet only<br>241–243 Leds controled Klingnet + Dmx<br>244–246 Klingnet Calibration OFF<br>247–249 Klingnet Calibration ON<br>250–252 White Calibred by IC (Maintient 3s)<br>253–255 Fixed White values (Maintient 3s) |
| **20** | Red | 255 | |
| **21** | Green | 255 | |
| **22** | Blue | 255 | |
| **23** | White | 255 | |

## Standard 16b Mode 25CH

25 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** | Position MSpeed | 0 | 0–225 Max to min speed<br>226–235 Blackout by movement<br>236–255 No function |
| **6** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **7** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Standard 16b Mode 25CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Shutter / Strobe | 255 | 0–9 Shutter closed<br>10–19 Shutter open<br>20–20 Strobe Slow<br>21–67 Strobe Slow to fast<br>68–68 Strobe fast<br>69–79 No function (shutter open2)<br>80–80 Pulse slow<br>81–127 Pulse slow to fast<br>128–128 Pulse fast<br>129–139 No function (shutter open3)<br>140–140 Random Slow<br>141–187 Random Slow to fast<br>188–188 Random fast<br>189–199 No function (shutter open4)<br>200–200 Random Slow<br>201–247 Random Slow to fast<br>248–248 Random Fast<br>249–255 No function (shutter open5) |
| **9** | Color Wheel | 0 | 0–0 RGBW Max (wheel slot 1)<br>1–1 White 10000 K (wheel slot 2)<br>2–2 White 8000 K (wheel slot 3)<br>3–3 White 6500 K (wheel slot 4)<br>4–4 White 5600 K (wheel slot 5)<br>5–5 White 5000 K (wheel slot 6)<br>6–6 White 4500 K (wheel slot 7)<br>7–7 White 4000 K (wheel slot 8)<br>8–8 White 3200 K (wheel slot 9)<br>9–9 White 3000 K (wheel slot 10)<br>10–10 White 2700 K (wheel slot 11)<br>11–18 Red (wheel slot 12)<br>19–26 Wheel Slot 2 (wheel slot 13)<br>27–34 Wheel Slot 3 (wheel slot 14)<br>35–42 Wheel Slot 4 (wheel slot 15)<br>43–50 Wheel Slot 5 (wheel slot 16)<br>51–58 Yellow (wheel slot 17)<br>59–66 Wheel Slot 7 (wheel slot 18)<br>67–74 Wheel Slot 8 (wheel slot 19)<br>75–82 Wheel Slot 9 (wheel slot 20)<br>83–90 Wheel Slot 10 (wheel slot 21)<br>91–98 Green (wheel slot 22)<br>99–106 Wheel Slot 1 (wheel slot 23)<br>107–114 Wheel Slot 6 (wheel slot 24)<br>115–122 Wheel Slot 11 (wheel slot 25)<br>123–130 Wheel Slot 12 (wheel slot 26)<br>131–138 Cyan (wheel slot 27)<br>139–146 Wheel Slot 14 (wheel slot 28)<br>147–154 Wheel Slot 13 (wheel slot 29)<br>155–162 Wheel Slot 15 (wheel slot 30)<br>163–170 Wheel Slot 16 (wheel slot 31)<br>171–178 Blue (wheel slot 32)<br>179–186 Wheel Slot 17 (wheel slot 33)<br>187–194 Wheel Slot 18 (wheel slot 34)<br>195–202 Wheel Slot 19 (wheel slot 35)<br>203–210 Wheel Slot 20 (wheel slot 36)<br>211–218 Magenta (wheel slot 37)<br>219–226 Wheel Slot 21 (wheel slot 38)<br>227–234 Wheel Slot 22 (wheel slot 39)<br>235–242 Wheel Slot 23 (wheel slot 40)<br>243–249 Wheel Slot 24 (wheel slot 41)<br>250–250 Wheel Slot 25 (wheel slot 42)<br>251–253 Color Wheel rotation between the color level 12 to...<br>254–255 Color rotation backward |

## Standard 16b Mode 25CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Color Wheel 2 | 0 | 0–0 RGBW Max (wheel slot 1)<br>1–1 White 10000 K (wheel slot 2)<br>2–2 White 8000 K (wheel slot 3)<br>3–3 White 6500 K (wheel slot 4)<br>4–4 White 5600 K (wheel slot 5)<br>5–5 White 5000 K (wheel slot 6)<br>6–6 White 4500 K (wheel slot 7)<br>7–7 White 4000 K (wheel slot 8)<br>8–8 White 3200 K (wheel slot 9)<br>9–9 White 3000 K (wheel slot 10)<br>10–10 White 2700 K (wheel slot 11)<br>11–18 Red (wheel slot 12)<br>19–26 Wheel Slot 2 (wheel slot 13)<br>27–34 Wheel Slot 3 (wheel slot 14)<br>35–42 Wheel Slot 4 (wheel slot 15)<br>43–50 Wheel Slot 5 (wheel slot 16)<br>51–58 Yellow (wheel slot 17)<br>59–66 Wheel Slot 7 (wheel slot 18)<br>67–74 Wheel Slot 8 (wheel slot 19)<br>75–82 Wheel Slot 9 (wheel slot 20)<br>83–90 Wheel Slot 10 (wheel slot 21)<br>91–98 Green (wheel slot 22)<br>99–106 Wheel Slot 1 (wheel slot 23)<br>107–114 Wheel Slot 6 (wheel slot 24)<br>115–122 Wheel Slot 11 (wheel slot 25)<br>123–130 Wheel Slot 12 (wheel slot 26)<br>131–138 Cyan (wheel slot 27)<br>139–146 Wheel Slot 14 (wheel slot 28)<br>147–154 Wheel Slot 13 (wheel slot 29)<br>155–162 Wheel Slot 15 (wheel slot 30)<br>163–170 Wheel Slot 16 (wheel slot 31)<br>171–178 Blue (wheel slot 32)<br>179–186 Wheel Slot 17 (wheel slot 33)<br>187–194 Wheel Slot 18 (wheel slot 34)<br>195–202 Wheel Slot 19 (wheel slot 35)<br>203–210 Wheel Slot 20 (wheel slot 36)<br>211–218 Magenta (wheel slot 37)<br>219–226 Wheel Slot 21 (wheel slot 38)<br>227–234 Wheel Slot 22 (wheel slot 39)<br>235–242 Wheel Slot 23 (wheel slot 40)<br>243–249 Wheel Slot 24 (wheel slot 41)<br>250–250 Wheel Slot 25 (wheel slot 42)<br>251–253 Color Wheel rotation between the color level 12 to...<br>254–255 Color rotation backward |
| **11** | Color Wheel Select MSpeed | 0 | 0–0 Rotation Fast<br>1–254 Rotation Fast to slow<br>255–255 Rotation Slow |

## Standard 16b Mode 25CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **12** | Effect | 0 | 0–9 No Program<br>10–19 Program 1<br>20–29 Program 2<br>30–39 Program 3<br>40–49 Program 4<br>50–59 Program 5<br>60–69 Program 6<br>70–79 Program 7<br>80–89 Program 8<br>90–99 Program 9<br>100–109 Program 10<br>110–119 Program 11<br>120–129 Program 12<br>130–139 Program 13<br>140–149 Program 14<br>150–159 Program 15<br>160–169 Program 16<br>170–179 Program 17<br>180–189 Program 18<br>190–199 Program 19<br>200–209 Program 20<br>210–255 No used |
| **13** | Effects1Adjust1 | 0 | 0–4 Static step 1<br>5–9 Static step 2<br>10–14 Static step 3<br>15–19 Static step 4<br>20–24 Static step 5<br>25–29 Static step 6<br>30–34 Static step 7<br>35–39 Static step 8<br>40–145 Chase sens horaire (fast to low)<br>146–149 Stop<br>150–255 Chase sens anti-horaire (fast to low) |
| **14** | Effects1Fade | 0 | 0–0 Normal<br>1–255 Fast to low |
| **15** | Zoom | 128 | 0–127 Narrow<br>128–254 Medium<br>255–255 Wide |
| **16** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to Unit Setting |

### Standard 16b Mode 25CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **17** | Control1 | 0 | 0–5 NoFeature<br>6–17 Inversion Pan on (Maintient 3s)<br>18–29 Inversion Pan off (Maintient 3s)<br>30–41 Inversion tilt on (Maintient 3s)<br>42–53 Inversion tilt off (Maintient 3s)<br>54–65 Fan Silent (Maintient 3s)<br>66–77 Fan Auto (Maintient 3s)<br>78–89 Fan High (Maintient 3s)<br>90–101 Linear Dimmer Curve(Maintient 3s)<br>102–113 Square Dimmer Curve (Maintient 3s)<br>114–125 Inv-Square Dimmer Curve (Maintient 3s)<br>126–131 S - Dimmer Curve (Maintient 3s)<br>132–137 Led Freq 900 Hz (Maintient 3s)<br>138–143 Led Freq 1000 Hz (Maintient 3s)<br>144–149 Led Freq 1100 Hz (Maintient 3s)<br>150–155 Led Freq 1200 Hz (Maintient 3s)<br>156–161 Led Freq 1300 Hz (Maintient 3s)<br>162–167 Led Freq 1400 Hz (Maintient 3s)<br>168–173 Led Freq 1500 Hz (Maintient 3s)<br>174–179 Led Freq 2500 Hz (Maintient 3s)<br>180–185 Led Freq 4000 Hz (Maintient 3s)<br>186–191 Led Freq 5000 Hz (Maintient 3s)<br>192–197 Led Freq 10000 Hz (Maintient 3s)<br>198–203 Led Freq 15000 Hz (Maintient 3s)<br>204–209 Led Freq 20000 Hz (Maintient 3s)<br>210–215 Led Freq 25000 Hz (Maintient 3s)<br>216–218 pan/tilt reset(Maintient 3s)<br>219–221 only Head reset (Maintient 3s)<br>222–224 Reset All Functions(Maintient 3s)<br>225–234 NoFeature 1<br>235–237 Klingnet Desactive<br>238–240 Leds controled Klingnet only<br>241–243 Leds controled Klingnet + Dmx<br>244–246 Klingnet Calibration OFF<br>247–249 Klingnet Calibration ON<br>250–252 White Calibred by IC (Maintient 3s)<br>253–255 Fixed White values (Maintient 3s) |
| **18** | Red | 255 | |
| **19** | Red Fine | 255 | Fine byte of Red |
| **20** | Green | 255 | |
| **21** | Green Fine | 255 | Fine byte of Green |
| **22** | Blue | 255 | |
| **23** | Blue Fine | 255 | Fine byte of Blue |
| **24** | White | 255 | |
| **25** | White Fine | 255 | Fine byte of White |

## Extended 16B Mode 27CH

27 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** | Position MSpeed | 0 | 0–225 Max to min speed<br>226–235 Blackout by movement<br>236–255 No function |

## Extended 16B Mode 27CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **7** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **8** | Shutter / Strobe | 255 | 0–9 Shutter closed<br>10–19 Shutter open<br>20–20 Strobe Slow<br>21–67 Strobe Slow to fast<br>68–68 Strobe fast<br>69–79 No function (shutter open2)<br>80–80 Pulse slow<br>81–127 Pulse slow to fast<br>128–128 Pulse fast<br>129–139 No function (shutter open3)<br>140–140 Random Slow<br>141–187 Random Slow to fast<br>188–188 Random fast<br>189–199 No function (shutter open4)<br>200–200 Random Slow<br>201–247 Random Slow to fast<br>248–248 Random Fast<br>249–255 No function (shutter open5) |
| **9** | Foreground Dimmer | 0 | 0–254 closed<br>255–255 open |

## Extended 16B Mode 27CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Color Wheel | 0 | 0–0 RGBW Max (wheel slot 1)<br>1–1 White 10000 K (wheel slot 2)<br>2–2 White 8000 K (wheel slot 3)<br>3–3 White 6500 K (wheel slot 4)<br>4–4 White 5600 K (wheel slot 5)<br>5–5 White 5000 K (wheel slot 6)<br>6–6 White 4500 K (wheel slot 7)<br>7–7 White 4000 K (wheel slot 8)<br>8–8 White 3200 K (wheel slot 9)<br>9–9 White 3000 K (wheel slot 10)<br>10–10 White 2700 K (wheel slot 11)<br>11–18 Red (wheel slot 12)<br>19–26 Wheel Slot 2 (wheel slot 13)<br>27–34 Wheel Slot 3 (wheel slot 14)<br>35–42 Wheel Slot 4 (wheel slot 15)<br>43–50 Wheel Slot 5 (wheel slot 16)<br>51–58 Yellow (wheel slot 17)<br>59–66 Wheel Slot 7 (wheel slot 18)<br>67–74 Wheel Slot 8 (wheel slot 19)<br>75–82 Wheel Slot 9 (wheel slot 20)<br>83–90 Wheel Slot 10 (wheel slot 21)<br>91–98 Green (wheel slot 22)<br>99–106 Wheel Slot 1 (wheel slot 23)<br>107–114 Wheel Slot 6 (wheel slot 24)<br>115–122 Wheel Slot 11 (wheel slot 25)<br>123–130 Wheel Slot 12 (wheel slot 26)<br>131–138 Cyan (wheel slot 27)<br>139–146 Wheel Slot 14 (wheel slot 28)<br>147–154 Wheel Slot 13 (wheel slot 29)<br>155–162 Wheel Slot 15 (wheel slot 30)<br>163–170 Wheel Slot 16 (wheel slot 31)<br>171–178 Blue (wheel slot 32)<br>179–186 Wheel Slot 17 (wheel slot 33)<br>187–194 Wheel Slot 18 (wheel slot 34)<br>195–202 Wheel Slot 19 (wheel slot 35)<br>203–210 Wheel Slot 20 (wheel slot 36)<br>211–218 Magenta (wheel slot 37)<br>219–226 Wheel Slot 21 (wheel slot 38)<br>227–234 Wheel Slot 22 (wheel slot 39)<br>235–242 Wheel Slot 23 (wheel slot 40)<br>243–249 Wheel Slot 24 (wheel slot 41)<br>250–250 Wheel Slot 25 (wheel slot 42)<br>251–253 Color Wheel rotation between the color level 12 to...<br>254–255 Color rotation backward |
| **11** | Background Dimmer | 0 | 0–254 closed<br>255–255 open |

## Extended 16B Mode 27CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **12** | Color Wheel 2 | 0 | 0–0 RGBW Max (wheel slot 1)<br>1–1 White 10000 K (wheel slot 2)<br>2–2 White 8000 K (wheel slot 3)<br>3–3 White 6500 K (wheel slot 4)<br>4–4 White 5600 K (wheel slot 5)<br>5–5 White 5000 K (wheel slot 6)<br>6–6 White 4500 K (wheel slot 7)<br>7–7 White 4000 K (wheel slot 8)<br>8–8 White 3200 K (wheel slot 9)<br>9–9 White 3000 K (wheel slot 10)<br>10–10 White 2700 K (wheel slot 11)<br>11–18 Red (wheel slot 12)<br>19–26 Wheel Slot 2 (wheel slot 13)<br>27–34 Wheel Slot 3 (wheel slot 14)<br>35–42 Wheel Slot 4 (wheel slot 15)<br>43–50 Wheel Slot 5 (wheel slot 16)<br>51–58 Yellow (wheel slot 17)<br>59–66 Wheel Slot 7 (wheel slot 18)<br>67–74 Wheel Slot 8 (wheel slot 19)<br>75–82 Wheel Slot 9 (wheel slot 20)<br>83–90 Wheel Slot 10 (wheel slot 21)<br>91–98 Green (wheel slot 22)<br>99–106 Wheel Slot 1 (wheel slot 23)<br>107–114 Wheel Slot 6 (wheel slot 24)<br>115–122 Wheel Slot 11 (wheel slot 25)<br>123–130 Wheel Slot 12 (wheel slot 26)<br>131–138 Cyan (wheel slot 27)<br>139–146 Wheel Slot 14 (wheel slot 28)<br>147–154 Wheel Slot 13 (wheel slot 29)<br>155–162 Wheel Slot 15 (wheel slot 30)<br>163–170 Wheel Slot 16 (wheel slot 31)<br>171–178 Blue (wheel slot 32)<br>179–186 Wheel Slot 17 (wheel slot 33)<br>187–194 Wheel Slot 18 (wheel slot 34)<br>195–202 Wheel Slot 19 (wheel slot 35)<br>203–210 Wheel Slot 20 (wheel slot 36)<br>211–218 Magenta (wheel slot 37)<br>219–226 Wheel Slot 21 (wheel slot 38)<br>227–234 Wheel Slot 22 (wheel slot 39)<br>235–242 Wheel Slot 23 (wheel slot 40)<br>243–249 Wheel Slot 24 (wheel slot 41)<br>250–250 Wheel Slot 25 (wheel slot 42)<br>251–253 Color Wheel rotation between the color level 12 to...<br>254–255 Color rotation backward |
| **13** | Color Wheel Select MSpeed | 0 | 0–0 Rotation Fast<br>1–254 Rotation Fast to slow<br>255–255 Rotation Slow |

## Extended 16B Mode 27CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **14** | Effect | 0 | 0–9 No Program<br>10–19 Program 1<br>20–29 Program 2<br>30–39 Program 3<br>40–49 Program 4<br>50–59 Program 5<br>60–69 Program 6<br>70–79 Program 7<br>80–89 Program 8<br>90–99 Program 9<br>100–109 Program 10<br>110–119 Program 11<br>120–129 Program 12<br>130–139 Program 13<br>140–149 Program 14<br>150–159 Program 15<br>160–169 Program 16<br>170–179 Program 17<br>180–189 Program 18<br>190–199 Program 19<br>200–209 Program 20<br>210–255 No used |
| **15** | Effects1Adjust1 | 0 | 0–4 Static step 1<br>5–9 Static step 2<br>10–14 Static step 3<br>15–19 Static step 4<br>20–24 Static step 5<br>25–29 Static step 6<br>30–34 Static step 7<br>35–39 Static step 8<br>40–145 Chase sens horaire (fast to low)<br>146–149 Stop<br>150–255 Chase sens anti-horaire (fast to low) |
| **16** | Effects1Fade | 0 | 0–0 Normal<br>1–255 Fast to low |
| **17** | Zoom | 128 | 0–127 Narrow<br>128–254 Medium<br>255–255 Wide |
| **18** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to Unit Setting |

### Extended 16B Mode 27CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **19** | Control1 | 0 | 0–5 NoFeature<br>6–17 Inversion Pan on (Maintient 3s)<br>18–29 Inversion Pan off (Maintient 3s)<br>30–41 Inversion tilt on (Maintient 3s)<br>42–53 Inversion tilt off (Maintient 3s)<br>54–65 Fan Silent (Maintient 3s)<br>66–77 Fan Auto (Maintient 3s)<br>78–89 Fan High (Maintient 3s)<br>90–101 Linear Dimmer Curve(Maintient 3s)<br>102–113 Square Dimmer Curve (Maintient 3s)<br>114–125 Inv-Square Dimmer Curve (Maintient 3s)<br>126–131 S - Dimmer Curve (Maintient 3s)<br>132–137 Led Freq 900 Hz (Maintient 3s)<br>138–143 Led Freq 1000 Hz (Maintient 3s)<br>144–149 Led Freq 1100 Hz (Maintient 3s)<br>150–155 Led Freq 1200 Hz (Maintient 3s)<br>156–161 Led Freq 1300 Hz (Maintient 3s)<br>162–167 Led Freq 1400 Hz (Maintient 3s)<br>168–173 Led Freq 1500 Hz (Maintient 3s)<br>174–179 Led Freq 2500 Hz (Maintient 3s)<br>180–185 Led Freq 4000 Hz (Maintient 3s)<br>186–191 Led Freq 5000 Hz (Maintient 3s)<br>192–197 Led Freq 10000 Hz (Maintient 3s)<br>198–203 Led Freq 15000 Hz (Maintient 3s)<br>204–209 Led Freq 20000 Hz (Maintient 3s)<br>210–215 Led Freq 25000 Hz (Maintient 3s)<br>216–218 pan/tilt reset(Maintient 3s)<br>219–221 only Head reset (Maintient 3s)<br>222–224 Reset All Functions(Maintient 3s)<br>225–234 NoFeature 1<br>235–237 Klingnet Desactive<br>238–240 Leds controled Klingnet only<br>241–243 Leds controled Klingnet + Dmx<br>244–246 Klingnet Calibration OFF<br>247–249 Klingnet Calibration ON<br>250–252 White Calibred by IC (Maintient 3s)<br>253–255 Fixed White values (Maintient 3s) |
| **20** | Red | 255 | |
| **21** | Red Fine | 255 | Fine byte of Red |
| **22** | Green | 255 | |
| **23** | Green Fine | 255 | Fine byte of Green |
| **24** | Blue | 255 | |
| **25** | Blue Fine | 255 | Fine byte of Blue |
| **26** | White | 255 | |
| **27** | White Fine | 255 | Fine byte of White |

## M-B Mode 28CH

28 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Red | 255 | |
| **2** | Red Fine | 255 | Fine byte of Red |
| **3** | Green | 255 | |
| **4** | Green Fine | 255 | Fine byte of Green |
| **5** | Blue | 255 | |
| **6** | Blue Fine | 255 | Fine byte of Blue |
| **7** | White | 255 | |

## M-B Mode 28CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | White Fine | 255 | Fine byte of White |
| **9** | Red | 255 | |
| **10** | Red Fine | 255 | Fine byte of Red |
| **11** | Green | 255 | |
| **12** | Green Fine | 255 | Fine byte of Green |
| **13** | Blue | 255 | |
| **14** | Blue Fine | 255 | Fine byte of Blue |
| **15** | White | 255 | |
| **16** | White Fine | 255 | Fine byte of White |
| **17** | C TO | 0 | 0–4 No Effect<br>5–255 10000K-2500K |
| **18** | Color Macro1 | 0 | |
| **19** | Shutter / Strobe | 0 | 0–3 Light Off<br>4–4 Regular Strobe slow<br>5–102 Regular Strobe slow to fast<br>103–103 Regular Strobe fast<br>104–107 Light On 1<br>108–108 Stobe Pulse Slow<br>109–206 Stobe Pulse Slow to Fast<br>207–207 Stobe Pulse Fast<br>208–212 Light On 2<br>213–213 Random Strobe Slow<br>214–250 Random Strobe Slow to Fast<br>251–251 Random Strobe Fast<br>252–255 Light On 3 |
| **20** | Dimmer | 0 | 0–254 closed<br>255–255 open |
| **21** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **22** | Pan | 128 | |
| **23** | Pan Fine | 0 | Fine byte of Pan |
| **24** | Tilt | 0 | |
| **25** | Tilt Fine | 0 | Fine byte of Tilt |
| **26** | Zoom | 0 | 0–127 Narrow<br>128–254 Medium<br>255–255 Wide |
| **27** | Control1 | 0 | 0–11 No Used<br>12–24 Fast P/T<br>25–37 Normal P/T<br>38–42 Linear Dimmer Curve<br>43–47 Square Dimmer Curve<br>48–52 Inv-Square Dimmer Curve<br>53–57 S - Dimmer Curve<br>58–177 No Used<br>178–188 900<br>189–199 1200<br>200–210 2500<br>211–221 4000<br>222–232 10000<br>233–243 25000<br>244–255 No Used |
| **28** | Fixture Global Reset | 0 | 0–25 No Used<br>26–76 Zoom reset<br>77–127 Pan/Tilt Reset<br>128–255 All reset |