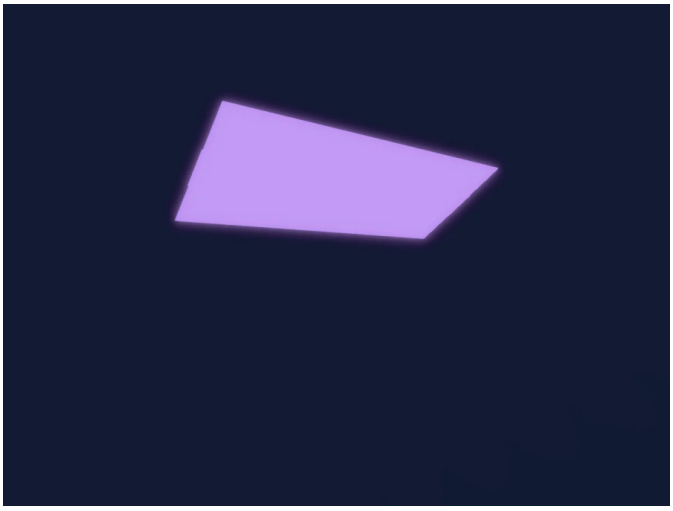
AVTECH

# SATURN700RGB



| | |
|---|---|
| Manufacturer | **AVTECH** |
| Type | **Moving head** |
| DMX modes | **9** |
| DMX footprint | **8, 11, 13, 24, 30, 47, 68, 74, 97 channels** |
| Beam angle | **95-123°** |
| Tilt range | **180°** |
| Heads / cells | **14** |
| Size (W × H × D) | **408 × 134 × 189 mm** |
| GDTF fixture type | **0658DD4C-CDA2-48A6-9FCD-8...** |

## Controls

RGB colour mixing · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt

## Safety-relevant functions

Fixture reset · Built-in effect programmes

## DMX modes

| | |
|---|---|
| 8Ch Mode | 8 ch |
| 11Ch Mode | 11 ch |
| 13Ch Mode | 13 ch |
| 24Ch Mode | 24 ch |
| 30Ch Mode | 30 ch |
| 47Ch Mode | 47 ch |
| 68Ch Mode | 68 ch |
| 74Ch Mode | 74 ch |
| 97Ch Mode | 97 ch |

## 8Ch Mode

8 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Tilt | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| 2 | Tilt Fine | 255 | Fine byte of Tilt |
| 3 | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 4 | Shutter / Strobe | 0 | 0–9 Shutter Open<br>10–10 STROBE · Slow 0.1 Hz<br>11–78 STROBE · Slow > Fast 0.533–29.6 Hz<br>79–79 STROBE · Fast 30 Hz<br>80–80 STROBE PULSE RANDOM · Slow 0.1 Hz<br>81–148 STROBE PULSE RANDOM · Slow > Fast 0.533–29.6 Hz<br>149–149 STROBE PULSE RANDOM · Fast 30 Hz<br>150–150 STROBE RANDOM · Slow 0.1 Hz<br>151–218 STROBE RANDOM · Slow > Fast 0.533–29.6 Hz<br>219–219 STROBE RANDOM · Fast 30 Hz<br>220–255 Shutter Open |
| 5 | Red | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 6 | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 7 | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 8 | Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 11Ch Mode

11 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Tilt | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| 2 | Tilt Fine | 255 | Fine byte of Tilt |
| 3 | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 4 | Strobe Duration | 0 | 0–9 Classic Shutter Mode<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 No Function - Strobe Off |
| 5 | Strobe Rate | 0 | 0–9 Open<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 Open |
| 6 | Strobe Duration | 0 | 0–9 Classic Shutter Mode<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 No Function - Strobe Off |

### 11Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Strobe Rate | 0 | 0–9 Open<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 Open |
| 8 | Red | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 9 | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 10 | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 11 | Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 13Ch Mode

13 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Tilt | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| 2 | Tilt Fine | 255 | Fine byte of Tilt |
| 3 | Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 4 | Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 5 | Strobe Duration | 0 | 0–9 Classic Shutter Mode<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 No Function - Strobe Off |
| 6 | Strobe Rate | 0 | 0–9 Open<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 Open |
| 7 | Strobe Duration | 0 | 0–9 Classic Shutter Mode<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 No Function - Strobe Off |
| 8 | Strobe Rate | 0 | 0–9 Open<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 Open |
| 9 | Red | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 13Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **11** | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **12** | Effect | 0 | 0–5 Open<br>6–6 Slow<br>7–41 Slow > Fast<br>42–42 Fast<br>43–43 Slow<br>44–84 Slow > Fast<br>85–85 Fast<br>86–86 Slow<br>87–127 Slow > Fast<br>128–128 Fast<br>129–129 Slow<br>130–170 Slow > Fast<br>171–171 Fast<br>172–172 Slow<br>173–213 Slow > Fast<br>214–214 Fast<br>215–215 Slow<br>216–254 Slow > Fast<br>255–255 Fast |
| **13** | Control1 | 0 | 0–5 No Feature<br>6–10 Dimmer Off - Mode<br>11–15 Dimmer 1 - Mode<br>16–20 Dimmer 2 - Mode<br>21–25 Dimmer 3 - Mode<br>26–30 600Hz<br>31–35 1200Hz<br>36–40 2000Hz<br>41–45 4000Hz<br>46–50 6000Hz<br>51–55 25kHz<br>56–60 Auto (Fan Mode)<br>61–65 On (Fan Mode)<br>66–70 Tilt Reset<br>71–75 Plate 1 Invert Off<br>76–80 Plate 1 Invert On<br>81–85 Plate 2 Invert Off<br>86–90 Plate 2 Invert On<br>91–95 Beam 1 Invert Off<br>96–100 Beam 1 Invert On<br>101–105 Beam 2 Invert Off<br>106–110 Beam 2 Invert On<br>111–115 Plate Swap On<br>116–120 Plate Swap Off<br>121–125 Beam Swap On<br>126–130 Beam Swap Off<br>131–140 No Function<br>141–150 FX Pattern Priority<br>151–155 Color Mix HTP On<br>156–160 Color Mix HTP Off<br>161–170 Color Priority<br>171–255 No Function |

## 24Ch Mode

24 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Tilt | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| 2 | Tilt Fine | 255 | Fine byte of Tilt |
| 3 | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 4 | Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 5 | Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 6 | Strobe Duration | 0 | 0–9 Classic Shutter Mode<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 No Function - Strobe Off |
| 7 | Strobe Rate | 0 | 0–9 Open<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 Open |
| 8 | Strobe Duration | 0 | 0–9 Classic Shutter Mode<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 No Function - Strobe Off |
| 9 | Strobe Rate | 0 | 0–9 Open<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 Open |
| 10 | Red | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 11 | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 12 | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 24Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **13** | Effect | 0 | 0–5 Open<br>6–6 Slow<br>7–41 Slow > Fast<br>42–42 Fast<br>43–43 Slow<br>44–84 Slow > Fast<br>85–85 Fast<br>86–86 Slow<br>87–127 Slow > Fast<br>128–128 Fast<br>129–129 Slow<br>130–170 Slow > Fast<br>171–171 Fast<br>172–172 Slow<br>173–213 Slow > Fast<br>214–214 Fast<br>215–215 Slow<br>216–254 Slow > Fast<br>255–255 Fast |
| **14** | Color Macro1 | 0 | 0–0 Open (wheel slot 1)<br>1–2 White 2700K - CTC (wheel slot 1)<br>3–4 White 3200K - CTC (wheel slot 2)<br>5–6 White 4200K - CTC (wheel slot 3)<br>7–8 White 5600K - CTC (wheel slot 4)<br>9–10 White 8000K - CTC (wheel slot 5)<br>11–11 Blue (wheel slot 6)<br>12–48 +Green (wheel slot 7)<br>49–49 Cyan (wheel slot 8)<br>50–86 -Blue (wheel slot 9)<br>87–89 Green (wheel slot 10)<br>90–124 +Red (wheel slot 11)<br>125–126 Yellow (wheel slot 12)<br>127–162 -Green (wheel slot 13)<br>163–163 Red (wheel slot 14)<br>164–200 +Blue (wheel slot 15)<br>201–201 Magenta (wheel slot 16)<br>202–238 -Red (wheel slot 17)<br>239–239 Blue (wheel slot 6)<br>240–240 Fast<br>241–246 Fast > Slow<br>247–247 Slow<br>248–248 Fast<br>249–254 Fast > Slow<br>255–255 Slow |
| **15** | Foreground Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 24Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **16** | Color Macro2 | 0 | 0–0 Open (wheel slot 1)<br>1–2 White 2700K - CTC (wheel slot 1)<br>3–4 White 3200K - CTC (wheel slot 2)<br>5–6 White 4200K - CTC (wheel slot 3)<br>7–8 White 5600K - CTC (wheel slot 4)<br>9–10 White 8000K - CTC (wheel slot 5)<br>11–11 Blue (wheel slot 6)<br>12–48 +Green (wheel slot 7)<br>49–49 Cyan (wheel slot 8)<br>50–86 -Blue (wheel slot 9)<br>87–89 Green (wheel slot 10)<br>90–124 +Red (wheel slot 11)<br>125–126 Yellow (wheel slot 12)<br>127–162 -Green (wheel slot 13)<br>163–163 Red (wheel slot 14)<br>164–200 +Blue (wheel slot 15)<br>201–201 Magenta (wheel slot 16)<br>202–238 -Red (wheel slot 17)<br>239–239 Blue (wheel slot 6)<br>240–240 Fast<br>241–246 Fast > Slow<br>247–247 Slow<br>248–248 Fast<br>249–254 Fast > Slow<br>255–255 Slow |
| **17** | Background Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 24Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Effect 2 | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

## 24Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **19** | Effect Speed 2 | 0 | 0–5 No Function<br>6–124 Fast > Slow<br>125–130 Stop<br>131–249 Slow > Fast<br>250–255 No Function |
| **20** | Effects2Fade | 0 | 0–2 Snap From Pixel > Pixel<br>3–3 Min<br>4–254 Min > Max<br>255–255 Max |

## 24Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Effect 2 | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

### 24Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **22** | Effect Speed 2 | 0 | 0–5 No Function<br>6–124 Fast > Slow<br>125–130 Stop<br>131–249 Slow > Fast<br>250–255 No Function |
| **23** | Effects2Fade | 0 | 0–2 Snap From Pixel > Pixel<br>3–3 Min<br>4–254 Min > Max<br>255–255 Max |
| **24** | Control1 | 0 | 0–5 No Feature<br>6–10 Dimmer Off - Mode<br>11–15 Dimmer 1 - Mode<br>16–20 Dimmer 2 - Mode<br>21–25 Dimmer 3 - Mode<br>26–30 600Hz<br>31–35 1200Hz<br>36–40 2000Hz<br>41–45 4000Hz<br>46–50 6000Hz<br>51–55 25kHz<br>56–60 Auto (Fan Mode)<br>61–65 On (Fan Mode)<br>66–70 Tilt Reset<br>71–75 Plate 1 Invert Off<br>76–80 Plate 1 Invert On<br>81–85 Plate 2 Invert Off<br>86–90 Plate 2 Invert On<br>91–95 Beam 1 Invert Off<br>96–100 Beam 1 Invert On<br>101–105 Beam 2 Invert Off<br>106–110 Beam 2 Invert On<br>111–115 Plate Swap On<br>116–120 Plate Swap Off<br>121–125 Beam Swap On<br>126–130 Beam Swap Off<br>131–140 No Function<br>141–150 FX Pattern Priority<br>151–155 Color Mix HTP On<br>156–160 Color Mix HTP Off<br>161–170 Color Priority<br>171–255 No Function |

## 30Ch Mode

30 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Tilt | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| **2** | Tilt Fine | 255 | Fine byte of Tilt |
| **3** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **4** | Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **5** | Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 30Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Strobe Duration | 0 | 0–9 Classic Shutter Mode<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 No Function - Strobe Off |
| **7** | Strobe Rate | 0 | 0–9 Open<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 Open |
| **8** | Strobe Duration | 0 | 0–9 Classic Shutter Mode<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 No Function - Strobe Off |
| **9** | Strobe Rate | 0 | 0–9 Open<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 Open |
| **10** | Red | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **11** | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **12** | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **13** | Effect | 0 | 0–5 Open<br>6–6 Slow<br>7–41 Slow > Fast<br>42–42 Fast<br>43–43 Slow<br>44–84 Slow > Fast<br>85–85 Fast<br>86–86 Slow<br>87–127 Slow > Fast<br>128–128 Fast<br>129–129 Slow<br>130–170 Slow > Fast<br>171–171 Fast<br>172–172 Slow<br>173–213 Slow > Fast<br>214–214 Fast<br>215–215 Slow<br>216–254 Slow > Fast<br>255–255 Fast |

## 30Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **14** | Color Macro1 | 0 | 0–0 Open (wheel slot 1)<br>1–2 White 2700K - CTC (wheel slot 1)<br>3–4 White 3200K - CTC (wheel slot 2)<br>5–6 White 4200K - CTC (wheel slot 3)<br>7–8 White 5600K - CTC (wheel slot 4)<br>9–10 White 8000K - CTC (wheel slot 5)<br>11–11 Blue (wheel slot 6)<br>12–48 +Green (wheel slot 7)<br>49–49 Cyan (wheel slot 8)<br>50–86 -Blue (wheel slot 9)<br>87–89 Green (wheel slot 10)<br>90–124 +Red (wheel slot 11)<br>125–126 Yellow (wheel slot 12)<br>127–162 -Green (wheel slot 13)<br>163–163 Red (wheel slot 14)<br>164–200 +Blue (wheel slot 15)<br>201–201 Magenta (wheel slot 16)<br>202–238 -Red (wheel slot 17)<br>239–239 Blue (wheel slot 6)<br>240–240 Fast<br>241–246 Fast > Slow<br>247–247 Slow<br>248–248 Fast<br>249–254 Fast > Slow<br>255–255 Slow |
| **15** | Foreground Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **16** | Color Macro2 | 0 | 0–0 Open (wheel slot 1)<br>1–2 White 2700K - CTC (wheel slot 1)<br>3–4 White 3200K - CTC (wheel slot 2)<br>5–6 White 4200K - CTC (wheel slot 3)<br>7–8 White 5600K - CTC (wheel slot 4)<br>9–10 White 8000K - CTC (wheel slot 5)<br>11–11 Blue (wheel slot 6)<br>12–48 +Green (wheel slot 7)<br>49–49 Cyan (wheel slot 8)<br>50–86 -Blue (wheel slot 9)<br>87–89 Green (wheel slot 10)<br>90–124 +Red (wheel slot 11)<br>125–126 Yellow (wheel slot 12)<br>127–162 -Green (wheel slot 13)<br>163–163 Red (wheel slot 14)<br>164–200 +Blue (wheel slot 15)<br>201–201 Magenta (wheel slot 16)<br>202–238 -Red (wheel slot 17)<br>239–239 Blue (wheel slot 6)<br>240–240 Fast<br>241–246 Fast > Slow<br>247–247 Slow<br>248–248 Fast<br>249–254 Fast > Slow<br>255–255 Slow |
| **17** | Background Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 30Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Effect 2 | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

## 30Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **19** | Effect Speed 2 | 0 | 0–5 No Function<br>6–124 Fast > Slow<br>125–130 Stop<br>131–249 Slow > Fast<br>250–255 No Function |
| **20** | Effects2Fade | 0 | 0–2 Snap From Pixel > Pixel<br>3–3 Min<br>4–254 Min > Max<br>255–255 Max |

## 30Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Effect 3 | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

## 30Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **22** | Effect Speed 3 | 0 | 0–5 No Function<br>6–124 Fast > Slow<br>125–130 Stop<br>131–249 Slow > Fast<br>250–255 No Function |
| **23** | Effects3Fade | 0 | 0–2 Snap From Pixel > Pixel<br>3–3 Min<br>4–254 Min > Max<br>255–255 Max |

## 30Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **24** | Effect 2 | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

## 30Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Effect Speed 2 | 0 | 0–5 No Function<br>6–124 Fast > Slow<br>125–130 Stop<br>131–249 Slow > Fast<br>250–255 No Function |
| **26** | Effects2Fade | 0 | 0–2 Snap From Pixel > Pixel<br>3–3 Min<br>4–254 Min > Max<br>255–255 Max |

## 30Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **27** | Effect 3 | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

### 30Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **28** | Effect Speed 3 | 0 | 0–5 No Function<br>6–124 Fast > Slow<br>125–130 Stop<br>131–249 Slow > Fast<br>250–255 No Function |
| **29** | Effects3Fade | 0 | 0–2 Snap From Pixel > Pixel<br>3–3 Min<br>4–254 Min > Max<br>255–255 Max |
| **30** | Control1 | 0 | 0–5 No Feature<br>6–10 Dimmer Off - Mode<br>11–15 Dimmer 1 - Mode<br>16–20 Dimmer 2 - Mode<br>21–25 Dimmer 3 - Mode<br>26–30 600Hz<br>31–35 1200Hz<br>36–40 2000Hz<br>41–45 4000Hz<br>46–50 6000Hz<br>51–55 25kHz<br>56–60 Auto (Fan Mode)<br>61–65 On (Fan Mode)<br>66–70 Tilt Reset<br>71–75 Plate 1 Invert Off<br>76–80 Plate 1 Invert On<br>81–85 Plate 2 Invert Off<br>86–90 Plate 2 Invert On<br>91–95 Beam 1 Invert Off<br>96–100 Beam 1 Invert On<br>101–105 Beam 2 Invert Off<br>106–110 Beam 2 Invert On<br>111–115 Plate Swap On<br>116–120 Plate Swap Off<br>121–125 Beam Swap On<br>126–130 Beam Swap Off<br>131–140 No Function<br>141–150 FX Pattern Priority<br>151–155 Color Mix HTP On<br>156–160 Color Mix HTP Off<br>161–170 Color Priority<br>171–255 No Function |

## 47Ch Mode

47 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Tilt | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| **2** | Tilt Fine | 255 | Fine byte of Tilt |
| **3** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **4** | Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **5** | Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 47Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 6 | Strobe Duration | 0 | 0–9 Classic Shutter Mode<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 No Function - Strobe Off |
| 7 | Strobe Rate | 0 | 0–9 Open<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 Open |
| 8 | Strobe Duration | 0 | 0–9 Classic Shutter Mode<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 No Function - Strobe Off |
| 9 | Strobe Rate | 0 | 0–9 Open<br>10–10 Slow<br>11–249 Slow > Fast<br>250–250 Fast<br>251–255 Open |
| 10 | Effect | 0 | 0–5 Normal Alignment<br>6–124 Plate 1 > 2 Invert<br>125–130 Plate 1 Invert: Plate 2 Normal<br>131–249 Plate 1 Normal: Plate 2 Invert<br>250–255 No Function |
| 11 | Effect | 0 | 0–5 Normal Alignment<br>6–124 Plate 1 > 2 Invert<br>125–130 Plate 1 Invert: Plate 2 Normal<br>131–249 Plate 1 Normal: Plate 2 Invert<br>250–255 No Function |
| 12 | Red | 255 | |
| 13 | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 14 | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 15 | Red | 255 | |
| 16 | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 17 | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 18 | Red | 255 | |
| 19 | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 20 | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| 21 | Red | 255 | |
| 22 | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

## 47Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **23** | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **24** | Red | 255 | |
| **25** | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **26** | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **27** | Red | 255 | |
| **28** | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **29** | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **30** | Red | 255 | |
| **31** | Green | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **32** | Blue | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **33** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **34** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **35** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **36** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **37** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **38** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **39** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **40** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **41** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **42** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |

### 47Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **43** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **44** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **45** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **46** | Dimmer | 255 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **47** | Control1 | 0 | 0–5 No Feature<br>6–10 Dimmer Off - Mode<br>11–15 Dimmer 1 - Mode<br>16–20 Dimmer 2 - Mode<br>21–25 Dimmer 3 - Mode<br>26–30 600Hz<br>31–35 1200Hz<br>36–40 2000Hz<br>41–45 4000Hz<br>46–50 6000Hz<br>51–55 25kHz<br>56–60 Auto (Fan Mode)<br>61–65 On (Fan Mode)<br>66–70 Tilt Reset<br>71–75 Plate 1 Invert Off<br>76–80 Plate 1 Invert On<br>81–85 Plate 2 Invert Off<br>86–90 Plate 2 Invert On<br>91–95 Beam 1 Invert Off<br>96–100 Beam 1 Invert On<br>101–105 Beam 2 Invert Off<br>106–110 Beam 2 Invert On<br>111–115 Plate Swap On<br>116–120 Plate Swap Off<br>121–125 Beam Swap On<br>126–130 Beam Swap Off<br>131–140 No Function<br>141–150 FX Pattern Priority<br>151–155 Color Mix HTP On<br>156–160 Color Mix HTP Off<br>161–170 Color Priority<br>171–255 No Function |

## 68Ch Mode

68 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Tilt | 127 | |
| **2** | Tilt Fine | 255 | Fine byte of Tilt |
| **3** | Dimmer | 0 | |
| **4** | Strobe Duration | 0 | |
| **5** | Strobe Rate | 0 | |

## 68Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Shutter / Strobe | 0 | 0–36 NO FX<br>37–40 RAMP UP<br>41–44 RAMP UP - RANDOM<br>45–48 RAMP DOWN<br>49–52 RAMP DOWN - RANDOM<br>53–56 RAMP UP/DOWN<br>57–60 RAMP UP/DOWN - RANDOM<br>61–64 RANDOM WHITE<br>65–68 RANDOM WHITE SINGLE PIXEL<br>69–72 LIGHTING<br>73–76 SPIKES<br>77–80 WHITE BEAM LEFT TO RIGHT<br>81–84 WHITE BEAM LEFT TO RIGHT RANDOM<br>85–88 WHITE BEAM RIGHT TO LEFT<br>89–92 WHITE BEAM RIGHT TO LEFT RANDOM<br>93–96 WHITE BEAM LEF TO RIGHT BOUNCE<br>97–100 WHITE BEAM LEF TO RIGHT BOUNCE RANDOM<br>101–104 WHITE BEAM RIGHT TO LEFT BOUNCE<br>105–108 WHITE BEAM RIGHT TO LEFT BOUNCE RANDOM<br>109–112 ZIG 6 STEPS OUT TO IN<br>113–116 ZIG 6 STEPS OUT TO IN RANDOM<br>117–120 ZIGZAG 10 STEPS IN TO OUT<br>121–124 ZIG 6 STEPS IN TO OUT RANDOM<br>125–128 ZIGZAG 10 STEPS<br>129–132 ZIGZAG 10 STEPS RANDOM<br>133–179 NO FUNCTION<br>180–183 DOUBLE FLASH<br>184–187 DOUBLE FLASH RANDOM<br>188–191 DOUBLE FLASH BEAM COLOR<br>192–195 DOUBLE FLASH BEAM COLOR RANDOM<br>196–199 DOUBLE FLASH COLOR BEAM<br>200–203 DOUBLE FLASH COLOR BEAM RANDOM<br>204–207 TRIPLE FLASH<br>208–211 TRIPLE FLASH RANDOM<br>212–215 TRIPLE FLASH B-C-B<br>216–219 TRIPLE FLASH B-C-B RANDOM<br>220–223 TRIPLE FLASH C-B-C<br>224–227 TRIPLE FLASH C-B-C RANDOM<br>228–231 QUAD FLASH<br>232–235 QUAD FLASH RANDOM<br>236–239 QUAD FLASH B-C-B-C<br>240–243 QUAD FLASH B-C-B-C RANDOM<br>244–247 QUAD FLASH C-B-C-B<br>248–251 QUAD FLASH C-B-C-B RANDOM<br>252–255 NO FUNCTION |
| **7** | Control1 | 1 | |
| **8** | Dimmer | 0 | |
| **9** | Strobe Duration | 0 | |
| **10** | Strobe Rate | 0 | |

## 68Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **11** | Shutter / Strobe | 1 | 0–0 FX Off<br>1–1 10 - Degree<br>2–2 20 - Degree<br>3–3 30 - Degree<br>4–4 40 - Degree<br>5–5 50 - Degree<br>6–6 60 - Degree<br>7–7 70 - Degree<br>8–8 80 - Degree<br>9–9 90 - Degree<br>10–10 100 - Degree<br>11–11 110 - Degree<br>12–12 120 - Degree<br>13–13 130 - Degree<br>14–14 140 - Degree<br>15–15 150 - Degree<br>16–16 160 - Degree<br>17–17 170 - Degree<br>18–18 180 - Degree<br>19–19 190 - Degree<br>20–20 200 - Degree<br>21–21 210 - Degree<br>22–22 220 - Degree<br>23–23 230 - Degree<br>24–24 240 - Degree<br>25–25 250 - Degree<br>26–26 260 - Degree<br>27–27 270 - Degree<br>28–28 280 - Degree<br>29–29 290 - Degree<br>30–30 300 - Degree<br>31–31 310 - Degree<br>32–32 320 - Degree<br>33–33 330 - Degree<br>34–34 340 - Degree<br>35–35 350 - Degree<br>36–36 360 - Degree<br>37–40 RAMP UP<br>41–44 RAMP UP - RANDOM<br>45–48 RAMP DOWN<br>49–52 RAMP DOWN - RANDOM<br>53–56 RAMP UP/DOWN<br>57–60 RAMP UP /DOWN - RANDOM<br>61–64 RANDOM WHITE<br>65–68 RANDOM WHITE SINGLE PIXEL<br>69–72 LIGHTING<br>73–76 SPIKES<br>77–179 No Feature<br>180–183 DOUBLE FLASH<br>184–187 DOUBLE FLASH RANDOM<br>188–191 DOUBLE FLASH BEAM COLOR<br>192–195 DOUBLE FLASH BEAM COLOR RANDOM<br>196–199 DOUBLE FLASH COLOR BEAM<br>200–203 DOUBLE FLASH COLOR BEAM RANDOM<br>204–207 TRIPLE FLASH<br>208–211 TRIPLE FLASH RANDOM<br>212–215 TRIPLE FLASH B-C-B<br>216–219 TRIPLE FLASH B-C-B RANDOM<br>220–223 TRIPLE FLASH C-B-C<br>224–227 TRIPLE FLASH C-B-C RANDOM<br>228–231 QUAD FLASH<br>232–235 QUAD FLASH RANDOM<br>236–239 QUAD FLASH B-C-B-C<br>240–243 QUAD FLASH B-C-B-C RANDOM |

## 68Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **12** | Red | 255 | |
| **13** | Green | 255 | |
| **14** | Blue | 255 | |
| **15** | Effects1Fade | 0 | |
| **16** | Effect Speed | 0 | |

## 68Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **17** | Effect | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

## 68Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Effect Speed | 0 | |

## 68Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **19** | Effect | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

## 68Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 20 | Dimmer | 255 | |
| 21 | Red | 255 | |
| 22 | Green | 255 | |
| 23 | Blue | 255 | |
| 24 | Red | 255 | |
| 25 | Green | 255 | |
| 26 | Blue | 255 | |
| 27 | Red | 255 | |
| 28 | Green | 255 | |
| 29 | Blue | 255 | |
| 30 | Red | 255 | |
| 31 | Green | 255 | |
| 32 | Blue | 255 | |
| 33 | Red | 255 | |
| 34 | Green | 255 | |
| 35 | Blue | 255 | |
| 36 | Red | 255 | |
| 37 | Green | 255 | |
| 38 | Blue | 255 | |
| 39 | Red | 255 | |
| 40 | Green | 255 | |
| 41 | Blue | 255 | |
| 42 | Red | 255 | |
| 43 | Green | 255 | |
| 44 | Blue | 255 | |
| 45 | Red | 255 | |
| 46 | Green | 255 | |
| 47 | Blue | 255 | |
| 48 | Red | 255 | |
| 49 | Green | 255 | |
| 50 | Blue | 255 | |
| 51 | Red | 255 | |
| 52 | Green | 255 | |
| 53 | Blue | 255 | |
| 54 | Red | 255 | |
| 55 | Green | 255 | |
| 56 | Blue | 255 | |
| 57 | Dimmer | 255 | |
| 58 | Dimmer | 255 | |
| 59 | Dimmer | 255 | |
| 60 | Dimmer | 255 | |
| 61 | Dimmer | 255 | |
| 62 | Dimmer | 255 | |
| 63 | Dimmer | 255 | |
| 64 | Dimmer | 255 | |

### 68Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **65** | Dimmer | 255 | |
| **66** | Dimmer | 255 | |
| **67** | Dimmer | 255 | |
| **68** | Dimmer | 255 | |

## 74Ch Mode

74 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Tilt | 127 | |
| **2** | Tilt Fine | 255 | Fine byte of Tilt |
| **3** | Dimmer | 255 | |
| **4** | Shutter / Strobe | 0 | 0–9 Shutter Open<br>10–10 STROBE · Slow 0.1 Hz<br>11–78 STROBE · Slow > Fast 0.533–29.6 Hz<br>79–79 STROBE · Fast 30 Hz<br>80–80 STROBE PULSE RANDOM · Slow 0.1 Hz<br>81–148 STROBE PULSE RANDOM · Slow > Fast 0.533–29.6 Hz<br>149–149 STROBE PULSE RANDOM · Fast 30 Hz<br>150–150 STROBE RANDOM · Slow 0.1 Hz<br>151–218 STROBE RANDOM · Slow > Fast 0.533–29.6 Hz<br>219–219 STROBE RANDOM · Fast 30 Hz<br>220–255 Shutter Open |
| **5** | Red | 255 | |
| **6** | Green | 255 | |
| **7** | Blue | 255 | |
| **8** | Red | 255 | |
| **9** | Green | 255 | |
| **10** | Blue | 255 | |
| **11** | Red | 255 | |
| **12** | Green | 255 | |
| **13** | Blue | 255 | |
| **14** | Red | 255 | |
| **15** | Green | 255 | |
| **16** | Blue | 255 | |
| **17** | Red | 255 | |
| **18** | Green | 255 | |
| **19** | Blue | 255 | |
| **20** | Red | 255 | |
| **21** | Green | 255 | |
| **22** | Blue | 255 | |
| **23** | Red | 255 | |
| **24** | Green | 255 | |
| **25** | Blue | 255 | |
| **26** | Red | 255 | |
| **27** | Green | 255 | |
| **28** | Blue | 255 | |
| **29** | Red | 255 | |
| **30** | Green | 255 | |

## 74Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 31 | Blue | 255 | |
| 32 | Red | 255 | |
| 33 | Green | 255 | |
| 34 | Blue | 255 | |
| 35 | Red | 255 | |
| 36 | Green | 255 | |
| 37 | Blue | 255 | |
| 38 | Red | 255 | |
| 39 | Green | 255 | |
| 40 | Blue | 255 | |
| 41 | Red | 255 | |
| 42 | Green | 255 | |
| 43 | Blue | 255 | |
| 44 | Red | 255 | |
| 45 | Green | 255 | |
| 46 | Blue | 255 | |
| 47 | Dimmer | 255 | |
| 48 | Dimmer | 255 | |
| 49 | Dimmer | 255 | |
| 50 | Dimmer | 255 | |
| 51 | Dimmer | 255 | |
| 52 | Dimmer | 255 | |
| 53 | Dimmer | 255 | |
| 54 | Dimmer | 255 | |
| 55 | Dimmer | 255 | |
| 56 | Dimmer | 255 | |
| 57 | Dimmer | 255 | |
| 58 | Dimmer | 255 | |
| 59 | Dimmer | 255 | |
| 60 | Dimmer | 255 | |
| 61 | Dimmer | 255 | |
| 62 | Dimmer | 255 | |
| 63 | Dimmer | 255 | |
| 64 | Dimmer | 255 | |
| 65 | Dimmer | 255 | |
| 66 | Dimmer | 255 | |
| 67 | Dimmer | 255 | |
| 68 | Dimmer | 255 | |
| 69 | Dimmer | 255 | |
| 70 | Dimmer | 255 | |
| 71 | Dimmer | 255 | |
| 72 | Dimmer | 255 | |
| 73 | Dimmer | 255 | |
| 74 | Dimmer | 255 | |

## 97Ch Mode

97 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Tilt | 127 | |
| 2 | Tilt Fine | 255 | Fine byte of Tilt |
| 3 | Dimmer | 255 | |
| 4 | Dimmer | 0 | |
| 5 | Dimmer | 0 | |
| 6 | Strobe Duration | 0 | |
| 7 | Strobe Rate | 0 | |
| 8 | Strobe Duration | 0 | |
| 9 | Strobe Rate | 0 | |
| 10 | Red | 255 | |
| 11 | Green | 255 | |
| 12 | Blue | 255 | |
| 13 | Red | 255 | |
| 14 | Green | 255 | |
| 15 | Blue | 255 | |
| 16 | Red | 255 | |
| 17 | Green | 255 | |
| 18 | Blue | 255 | |
| 19 | Red | 255 | |
| 20 | Green | 255 | |
| 21 | Blue | 255 | |
| 22 | Red | 255 | |
| 23 | Green | 255 | |
| 24 | Blue | 255 | |
| 25 | Red | 255 | |
| 26 | Green | 255 | |
| 27 | Blue | 255 | |
| 28 | Red | 255 | |
| 29 | Green | 255 | |
| 30 | Blue | 255 | |
| 31 | Red | 255 | |
| 32 | Green | 255 | |
| 33 | Blue | 255 | |
| 34 | Red | 255 | |
| 35 | Green | 255 | |
| 36 | Blue | 255 | |
| 37 | Red | 255 | |
| 38 | Green | 255 | |
| 39 | Blue | 255 | |
| 40 | Red | 255 | |
| 41 | Green | 255 | |
| 42 | Blue | 255 | |
| 43 | Red | 255 | |
| 44 | Green | 255 | |
| 45 | Blue | 255 | |

## 97Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 46 | Red | 255 | |
| 47 | Green | 255 | |
| 48 | Blue | 255 | |
| 49 | Red | 255 | |
| 50 | Green | 255 | |
| 51 | Blue | 255 | |
| 52 | Dimmer | 255 | |
| 53 | Dimmer | 255 | |
| 54 | Dimmer | 255 | |
| 55 | Dimmer | 255 | |
| 56 | Dimmer | 255 | |
| 57 | Dimmer | 255 | |
| 58 | Dimmer | 255 | |
| 59 | Dimmer | 255 | |
| 60 | Dimmer | 255 | |
| 61 | Dimmer | 255 | |
| 62 | Dimmer | 255 | |
| 63 | Dimmer | 255 | |
| 64 | Dimmer | 255 | |
| 65 | Dimmer | 255 | |
| 66 | Dimmer | 255 | |
| 67 | Dimmer | 255 | |
| 68 | Dimmer | 255 | |
| 69 | Dimmer | 255 | |
| 70 | Dimmer | 255 | |
| 71 | Dimmer | 255 | |
| 72 | Dimmer | 255 | |
| 73 | Dimmer | 255 | |
| 74 | Dimmer | 255 | |
| 75 | Dimmer | 255 | |
| 76 | Dimmer | 255 | |
| 77 | Dimmer | 255 | |
| 78 | Dimmer | 255 | |
| 79 | Dimmer | 255 | |

## 97Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **80** | Effect | 0 | 0–5 Open<br>6–6 Slow<br>7–41 Slow > Fast<br>42–42 Fast<br>43–43 Slow<br>44–84 Slow > Fast<br>85–85 Fast<br>86–86 Slow<br>87–127 Slow > Fast<br>128–128 Fast<br>129–129 Slow<br>130–170 Slow > Fast<br>171–171 Fast<br>172–172 Slow<br>173–213 Slow > Fast<br>214–214 Fast<br>215–215 Slow<br>216–254 Slow > Fast<br>255–255 Fast |
| **81** | Color Macro1 | 0 | |
| **82** | Foreground Dimmer | 0 | |
| **83** | Color Macro2 | 0 | |
| **84** | Background Dimmer | 0 | |

## 97Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **85** | Effect 2 | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

## 97Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **86** | Effect Speed 2 | 0 | |
| **87** | Effects2Fade | 0 | |

## 97Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **88** | Effect 3 | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

## 97Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **89** | Effect Speed 3 | 0 | |
| **90** | Effects3Fade | 0 | |

## 97Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **91** | Effect 2 | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

## 97Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **92** | Effect Speed 2 | 0 | |
| **93** | Effects2Fade | 0 | |

## 97Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **94** | Effect 3 | 0 | 0–2 Open<br>3–3 Plate Pattern 1 - Effect<br>4–4 Plate Pattern 2 - Effect<br>5–5 Plate Pattern 3 - Effect<br>6–6 Plate Pattern 4 - Effect<br>7–7 Plate Pattern 5 - Effect<br>8–8 Plate Pattern 6 - Effect<br>9–9 Plate Pattern 7 - Effect<br>10–10 Plate Pattern 8 - Effect<br>11–11 Plate Pattern 9 - Effect<br>12–12 Plate Pattern 10 - Effect<br>13–13 Plate Pattern 11 - Effect<br>14–14 Plate Pattern 12 - Effect<br>15–15 Plate Pattern 13 - Effect<br>16–16 Plate Pattern 14 - Effect<br>17–17 Plate Pattern 15 - Effect<br>18–18 Plate Pattern 16 - Effect<br>19–19 Plate Pattern 17 - Effect<br>20–20 Plate Pattern 18 - Effect<br>21–21 Plate Pattern 19 - Effect<br>22–22 Plate Pattern 20 - Effect<br>23–23 Plate Pattern 21 - Effect<br>24–24 Plate Pattern 22 - Effect<br>25–25 Plate Pattern 23 - Effect<br>26–26 Plate Pattern 24 - Effect<br>27–27 Plate Pattern 25 - Effect<br>28–28 Plate Pattern 26 - Effect<br>29–29 Plate Pattern 27 - Effect<br>30–30 Plate Pattern 28 - Effect<br>31–31 Plate Pattern 29 - Effect<br>32–32 Plate Pattern 30 - Effect<br>33–33 Plate Pattern 31 - Effect<br>34–34 Plate Pattern 32 - Effect<br>35–35 Plate Pattern 33 - Effect<br>36–36 Plate Pattern 34 - Effect<br>37–37 Plate Pattern 35 - Effect<br>38–38 Plate Pattern 36 - Effect<br>39–39 Plate Pattern 37 - Effect<br>40–40 Plate Pattern 38 - Effect<br>41–41 Plate Pattern 39 - Effect<br>42–42 Plate Pattern 40 - Effect<br>43–43 Plate Pattern 41 - Effect<br>44–44 Plate Pattern 42 - Effect<br>45–45 Plate Pattern 43 - Effect<br>46–46 Plate Pattern 44 - Effect<br>47–47 Plate Pattern 45 - Effect<br>48–48 Plate Pattern 46 - Effect<br>49–49 Plate Pattern 47 - Effect<br>50–50 Plate Pattern 48 - Effect<br>51–51 Plate Pattern 49 - Effect<br>52–52 Plate Pattern 50 - Effect<br>53–53 Plate Pattern 51 - Effect<br>54–54 Plate Pattern 52 - Effect<br>55–55 Plate Pattern 53 - Effect<br>56–56 Plate Pattern 54 - Effect<br>57–57 Plate Pattern 55 - Effect<br>58–58 Plate Pattern 56 - Effect<br>59–59 Plate Pattern 57 - Effect<br>60–60 Plate Pattern 58 - Effect<br>61–61 Plate Pattern 59 - Effect<br>62–62 Plate Pattern 60 - Effect<br>63–63 Plate Pattern 61 - Effect<br>64–64 Plate Pattern 62 - Effect<br>65–65 Plate Pattern 63 - Effect |

## 97Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **95** | Effect Speed 3 | 0 | |
| **96** | Effects3Fade | 0 | |
| **97** | Control1 | 0 | |