Snow Lighting

# SnowStorm Q19X Wash



| | |
|---|---|
| Manufacturer | **Snow Lighting** |
| Type | **Moving head** |
| DMX modes | **6** |
| DMX footprint | **26, 28, 32, 33, 38 channels** |
| Beam angle | **3.5-38°** |
| Pan range | **540°** |
| Tilt range | **220°** |
| Heads / cells | **3** |
| Size (W × H × D) | **316 × 240 × 316 mm** |
| GDTF fixture type | **DB21BCD1-89AC-4D2D-AC42-C…** |

## Controls

Zoom · Extra LED colours · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Movement speed

## Safety-relevant functions

Fixture reset · Built-in effect programmes

## DMX modes

| | |
|---|---|
| Pixel | 26 ch |
| SSP | 26 ch |
| HSIC | 28 ch |
| CMY | 32 ch |
| Tour | 33 ch |
| TR16 | 38 ch |

## Pixel

26 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Pan | 128 | |
| 2 | Pan Fine | 128 | Fine byte of Pan |
| 3 | Tilt | 128 | |
| 4 | Tilt Fine | 128 | Fine byte of Tilt |
| 5 | Position MSpeed | 0 | |
| 6 | Pan Tilt Mode | 0 | 0–63 stop rotation by spinout<br>64–127 stop rotation by shortcut<br>128–189 Fwd<br>190–193 Stop<br>194–255 Bwd |
| 7 | Zoom | 128 | 0–127 Narrow<br>128–254 Mid<br>255–255 Wide |
| 8 | Red | 255 | |
| 9 | Green | 255 | |
| 10 | Blue | 255 | |
| 11 | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |

## Pixel (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **12** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **13** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |
| **14** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **15** | Red | 255 | |
| **16** | Green | 255 | |
| **17** | Blue | 255 | |

## Pixel (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |
| **19** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **20** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |

## Pixel (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **22** | Control1 | 0 | 0–10 Open<br>11–20 P/T Black On<br>21–30 P/T Black Off<br>31–40 Pan Invert On<br>41–50 Tilt Invert On<br>51–60 P/T Invert Off<br>61–70 Studio<br>71–80 Live<br>81–90 Power<br>91–100 Dim4<br>101–110 Dim0<br>111–120 Linear<br>121–130 Square Law<br>131–140 Inv Square Law<br>141–150 S-Curve<br>151–160 1200Hz<br>161–170 2400Hz<br>171–180 4000Hz<br>181–190 6000Hz<br>191–200 25000Hz<br>201–210 All Reset<br>211–220 XY Reset<br>221–230 Zoom Reset<br>231–255 Reserved |
| **23** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **24** | Shutter / Strobe | 0 | 0–9 Open<br>10–44 Strobe · Slow 1–6.35 Hz<br>45–98 Strobe · Medium 6.51–14.8 Hz<br>99–99 Strobe · Fast 15 Hz<br>100–109 Open<br>110–144 Lightning strobe · Slow 1–7.9 Hz<br>145–178 Lightning strobe · Medium 8.1–14.8 Hz<br>179–179 Lightning strobe · Fast 15 Hz<br>180–189 Open<br>190–224 Random · Slow 1–8.32 Hz<br>225–254 Random · Medium 8.54–14.8 Hz<br>255–255 Random · Fast 15 Hz |

### Pixel (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Color Macro1 | 0 | 0–10 Open<br>11–15 Black<br>16–20 R40 Light Salmon<br>21–25 L24 Scarlet<br>26–30 L164 Flame Red<br>31–40 Black<br>41–45 L08 Dark Salmon<br>46–50 L25 Sunset Red<br>51–55 Black<br>56–60 L237 CID (To Tungsten)<br>61–65 R321 Soft Golden Amber<br>66–70 L652 Urban Sodium<br>71–75 Black<br>76–80 L765 LEE Yellow<br>81–85 L513 Ice and a Slice<br>86–105 Black<br>106–110 L90 Dark Yellow Green<br>111–115 Black<br>116–120 R92 Turquoise<br>121–135 Black<br>136–140 L728 Steel Green<br>141–145 L117 Steel Blue<br>146–150 L354 Special Steel Blue<br>151–155 Black<br>156–160 L501 New Colour Blue<br>161–165 L174 Dark Steel Blue<br>166–180 Black<br>181–185 L142 Pale Violet<br>186–195 Black<br>196–200 L794 Pretty'n Pink<br>201–205 L328 Follies Pink<br>206–215 Black<br>216–220 L127 Smokey Pink<br>221–225 L192 Flesh Pink<br>226–235 Black<br>236–240 L157 Pink<br>241–245 R332 Cherry Rose<br>246–255 Black |
| **26** | C TO | 0 | 0–9 Open<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |

## SSP

26 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 128 | |
| **2** | Tilt | 128 | |
| **3** | Position MSpeed | 0 | |

## SSP (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **4** | Pan Tilt Mode | 0 | 0–63 stop rotation by spinout<br>64–127 stop rotation by shortcut<br>128–189 Fwd<br>190–193 Stop<br>194–255 Bwd |
| **5** | Red | 255 | |
| **6** | Green | 255 | |
| **7** | Blue | 255 | |
| **8** | Color Add GY | 255 | 0–254 Min<br>255–255 Mac |
| **9** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **10** | Shutter / Strobe | 0 | 0–9 Open<br>10–44 Strobe · Slow 1–6.35 Hz<br>45–98 Strobe · Medium 6.51–14.8 Hz<br>99–99 Strobe · Fast 15 Hz<br>100–109 Open<br>110–144 Lightning strobe · Slow 1–7.9 Hz<br>145–178 Lightning strobe · Medium 8.1–14.8 Hz<br>179–179 Lightning strobe · Fast 15 Hz<br>180–189 Open<br>190–224 Random · Slow 1–8.32 Hz<br>225–254 Random · Medium 8.54–14.8 Hz<br>255–255 Random · Fast 15 Hz |
| **11** | Zoom | 128 | 0–127 Narrow<br>128–254 Mid<br>255–255 Wide |
| **12** | Red | 255 | |
| **13** | Green | 255 | |
| **14** | Blue | 255 | |

## SSP (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |
| **16** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **17** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |

## SSP (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **19** | Red | 255 | |
| **20** | Green | 255 | |
| **21** | Blue | 255 | |
| **22** | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |

### SSP (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **23** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **24** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |
| **25** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **26** | Control1 | 0 | 0–10 No Function<br>11–20 P/T Black On<br>21–30 P/T Black Off<br>31–40 Pan Invert On<br>41–50 Tilt Invert On<br>51–60 P/T Invert Off<br>61–70 Studio<br>71–80 Live<br>81–90 Power<br>91–100 Dim4<br>101–110 Dim0<br>111–120 Linear<br>121–130 Square Law<br>131–140 Inv Square Law<br>141–150 S-Curve<br>151–160 1200Hz<br>161–170 2400Hz<br>171–180 4000Hz<br>181–190 6000Hz<br>191–200 25000Hz<br>201–210 All Reset<br>211–220 XY Reset<br>221–230 Zoom Reset<br>231–255 Reserved |

## HSIC

28 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 128 | |
| **2** | Pan Fine | 128 | Fine byte of Pan |
| **3** | Tilt | 128 | |
| **4** | Tilt Fine | 128 | Fine byte of Tilt |
| **5** | Position MSpeed | 0 | |

## HSIC (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Pan Tilt Mode | 0 | 0–63 stop rotation by spinout<br>64–127 stop rotation by shortcut<br>128–189 Fwd<br>190–193 Stop<br>194–255 Bwd |
| **7** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **8** | H SBHue | 0 | |
| **9** | H SBHue Fine | 0 | Fine byte of H SBHue |
| **10** | H SBSaturation | 0 | |
| **11** | C TO | 0 | 0–9 Open<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |
| **12** | Shutter / Strobe | 0 | 0–9 Open<br>10–44 Strobe · Slow 1–6.35 Hz<br>45–98 Strobe · Medium 6.51–14.8 Hz<br>99–99 Strobe · Fast 15 Hz<br>100–109 Open<br>110–144 Lightning strobe · Slow 1–7.9 Hz<br>145–178 Lightning strobe · Medium 8.1–14.8 Hz<br>179–179 Lightning strobe · Fast 15 Hz<br>180–189 Open<br>190–224 Random · Slow 1–8.32 Hz<br>225–254 Random · Medium 8.54–14.8 Hz<br>255–255 Random · Fast 15 Hz |
| **13** | Zoom | 128 | 0–127 Narrow<br>128–254 Mid<br>255–255 Wide |
| **14** | Red | 255 | |
| **15** | Green | 255 | |
| **16** | Blue | 255 | |

## HSIC (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **17** | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |
| **18** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **19** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |

## HSIC (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **21** | Red | 255 | |
| **22** | Green | 255 | |
| **23** | Blue | 255 | |
| **24** | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |

### HSIC (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **26** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |
| **27** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **28** | Control1 | 0 | 0–10 Open<br>11–20 P/T Black On<br>21–30 P/T Black Off<br>31–40 Pan Invert On<br>41–50 Tilt Invert On<br>51–60 P/T Invert Off<br>61–70 Studio<br>71–80 Live<br>81–90 Power<br>91–100 Dim4<br>101–110 Dim0<br>111–120 Linear<br>121–130 Square Law<br>131–140 Inv Square Law<br>141–150 S-Curve<br>151–160 1200Hz<br>161–170 2400Hz<br>171–180 4000Hz<br>181–190 6000Hz<br>191–200 25000Hz<br>201–210 All Reset<br>211–220 XY Reset<br>221–230 Zoom Reset<br>231–255 Reserved |

## CMY

32 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 128 | |
| **2** | Pan Fine | 128 | Fine byte of Pan |
| **3** | Tilt | 128 | |
| **4** | Tilt Fine | 128 | Fine byte of Tilt |
| **5** | Position MSpeed | 0 | |

## CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Pan Tilt Mode | 0 | 0–63 stop rotation by spinout<br>64–127 stop rotation by shortcut<br>128–189 Fwd<br>190–193 Stop<br>194–255 Bwd |
| **7** | Cyan | 255 | |
| **8** | Magenta | 255 | |
| **9** | Yellow | 255 | |
| **10** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **11** | Shutter / Strobe | 0 | 0–9 Open<br>10–44 Strobe · Slow 1–6.35 Hz<br>45–98 Strobe · Medium 6.51–14.8 Hz<br>99–99 Strobe · Fast 15 Hz<br>100–109 Open<br>110–144 Lightning strobe · Slow 1–7.9 Hz<br>145–178 Lightning strobe · Medium 8.1–14.8 Hz<br>179–179 Lightning strobe · Fast 15 Hz<br>180–189 Open<br>190–224 Random · Slow 1–8.32 Hz<br>225–254 Random · Medium 8.54–14.8 Hz<br>255–255 Random · Fast 15 Hz |
| **12** | Color Macro1 | 0 | 0–10 No Function<br>11–15 Black<br>16–20 R40 Light Salmon<br>21–25 L24 Scarlet<br>26–30 L164 Flame Red<br>31–40 Black<br>41–45 L08 Dark Salmon<br>46–50 L25 Sunset Red<br>51–55 Black<br>56–60 L237 CID (To Tungsten)<br>61–65 R321 Soft Golden Amber<br>66–70 L652 Urban Sodium<br>71–75 Black<br>76–80 L765 LEE Yellow<br>81–85 L513 Ice and a Slice<br>86–105 Black<br>106–110 L90 Dark Yellow Green<br>111–115 Black<br>116–120 R92 Turquoise<br>121–135 Black<br>136–140 L728 Steel Green<br>141–145 L117 Steel Blue<br>146–150 L354 Special Steel Blue<br>151–155 Black<br>156–160 L501 New Colour Blue<br>161–165 L174 Dark Steel Blue<br>166–180 Black<br>181–185 L142 Pale Violet<br>186–195 Black<br>196–200 L794 Pretty'n Pink<br>201–205 L328 Follies Pink<br>206–215 Black<br>216–220 L127 Smokey Pink<br>221–225 L192 Flesh Pink<br>226–235 Black<br>236–240 L157 Pink<br>241–245 R332 Cherry Rose<br>246–255 Black |

## CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **13** | C TO | 0 | 0–9 Open<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |

## CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **14** | Effect | 0 | 0–10 Open<br>11–15 1<br>16–20 2<br>21–25 3<br>26–30 4<br>31–35 5<br>36–40 6<br>41–45 7<br>46–50 8<br>51–55 9<br>56–60 10<br>61–65 11<br>66–70 12<br>71–75 13<br>76–80 14<br>81–85 15<br>86–90 16<br>91–95 17<br>96–100 18<br>101–105 19<br>106–110 1<br>111–115 2-3<br>116–120 4-5<br>121–125 6-7<br>126–130 8-9<br>131–135 10-11<br>136–140 12-13<br>141–145 14-15<br>146–150 16-17<br>151–155 18-19<br>156–160 1<br>161–165 2-3-4<br>166–170 5-6-7<br>171–175 8-9-10<br>176–180 11-12-13<br>181–185 14-15-16<br>186–190 17-18-19<br>191–195 1<br>196–200 2-3-4-5-6-7<br>201–205 8-9-10-11<br>206–210 12-13-14-15<br>211–215 16-17-18-19<br>216–220 1<br>221–225 2-8-9<br>226–230 3-10-11<br>231–235 4-12-13<br>236–240 5-14-15<br>241–245 6-16-17<br>246–250 7-18-19<br>251–255 No Function |

## CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Effect 2 | 0 | 0–10 Open<br>11–15 1-19 Run<br>16–20 19-1 Run<br>21–25 1-19-1 Run<br>26–30 1-10 and 19-10 Run<br>31–35 Triples Dimmer<br>36–40 Reverse Triples Dimmer<br>41–45 1-19 2700K Run<br>46–50 19-1 2700K Run<br>51–55 1-19-1 2700K Run<br>56–60 1-10 and 19-10 2700K Run<br>61–65 1-19 6000K Run<br>66–70 19-1 6000K Run<br>71–75 1-19-1 6000K Run<br>76–80 1-10 and 19-10 6000K Run<br>81–85 Red Background Green 1-19 Run<br>86–90 Red Background Green 19-1 Run<br>91–95 Red Background Green 1-19-1 Run<br>96–100 Red Background Green 1-10 and 19-10 Run<br>101–105 Green Background Blue 1-19 Run<br>106–110 Green Background Blue 19-1 Run<br>111–115 Green Background Blue 1-19-1 Run<br>116–120 Green Background Blue 1-10 and 19-10 Run<br>121–125 Blue Background Green 1-19 Run<br>126–130 Blue Background Green 19-1 Run<br>131–135 Blue Background Green 1-19-1 Run<br>136–140 Blue Background Green 1-10 and 19-10 Run<br>141–145 Red Background Lime 1-19 Run<br>146–150 Red Background Lime 19-1 Run<br>151–155 Red Background Lime 1-19-1 Run<br>156–160 Red Background Lime 1-10 and 19-10 Run<br>161–165 Green Background Lime 1-19 Run<br>166–170 Green Background Lime 19-1 Run<br>171–175 Green Background Lime 1-19-1 Run<br>176–180 Green Background Lime 1-10 and 19-10 Run<br>181–185 Blue Background Lime 1-19 Run<br>186–190 Blue Background Lime 19-1 Run<br>191–195 Blue Background Lime 1-19-1 Run<br>196–200 Blue Background Lime 1-10 and 19-10 Run<br>201–205 Green Background Red 1-19 Run<br>206–210 Green Background Red 19-1 Run<br>211–215 Green Background Red 1-19-1 Run<br>216–220 Green Background Red 1-10 and 19-10 Run<br>221–225 Blue Background Red 1-19 Run<br>226–230 Blue Background Red 19-1 Run<br>231–235 Blue Background Red 1-19-1 Run<br>236–240 Blue Background Red 1-10 and 19-10 Run<br>241–245 Ring FX<br>246–250 Cycle Operation<br>251–255 No Function |
| **16** | Effect Speed 2 | 0 | 0–199 Slow<br>200–255 fast |
| **17** | Zoom | 128 | 0–127 Narrow<br>128–254 Mid<br>255–255 Wide |
| **18** | Red | 255 | |
| **19** | Green | 255 | |
| **20** | Blue | 255 | |

## CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |
| **22** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **23** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |

## CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **24** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **25** | Red | 255 | |
| **26** | Green | 255 | |
| **27** | Blue | 255 | |
| **28** | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |

### CMY (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **29** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **30** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |
| **31** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **32** | Control1 | 0 | 0–10 Open<br>11–20 P/T Black On<br>21–30 P/T Black Off<br>31–40 Pan Invert On<br>41–50 Tilt Invert On<br>51–60 P/T Invert Off<br>61–70 Studio<br>71–80 Live<br>81–90 Power<br>91–100 Dim4<br>101–110 Dim0<br>111–120 Linear<br>121–130 Square Law<br>131–140 Inv Square Law<br>141–150 S-Curve<br>151–160 1200Hz<br>161–170 2400Hz<br>171–180 4000Hz<br>181–190 6000Hz<br>191–200 25000Hz<br>201–210 All Reset<br>211–220 XY Reset<br>221–230 Zoom Reset<br>231–255 Reserved |

## Tour

33 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 128 | |
| **2** | Pan Fine | 128 | Fine byte of Pan |
| **3** | Tilt | 128 | |
| **4** | Tilt Fine | 128 | Fine byte of Tilt |
| **5** | Position MSpeed | 0 | |

## Tour (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Pan Tilt Mode | 0 | 0–63 stop rotation by spinout<br>64–127 stop rotation by shortcut<br>128–189 Fwd<br>190–193 Stop<br>194–255 Bwd |
| **7** | Red | 255 | |
| **8** | Green | 255 | |
| **9** | Blue | 255 | |
| **10** | Color Add GY | 255 | |
| **11** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **12** | Shutter / Strobe | 0 | 0–9 Open<br>10–44 Strobe · Slow 1–6.35 Hz<br>45–98 Strobe · Medium 6.51–14.8 Hz<br>99–99 Strobe · Fast 15 Hz<br>100–109 Open<br>110–144 Lightning strobe · Slow 1–7.9 Hz<br>145–178 Lightning strobe · Medium 8.1–14.8 Hz<br>179–179 Lightning strobe · Fast 15 Hz<br>180–189 Open<br>190–224 Random · Slow 1–8.32 Hz<br>225–254 Random · Medium 8.54–14.8 Hz<br>255–255 Random · Fast 15 Hz |

## Tour (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **13** | Color Macro1 | 0 | 0–10 Open<br>11–15 Black<br>16–20 R40 Light Salmon<br>21–25 L24 Scarlet<br>26–30 L164 Flame Red<br>31–40 Black<br>41–45 L08 Dark Salmon<br>46–50 L25 Sunset Red<br>51–55 Black<br>56–60 L237 CID (To Tungsten)<br>61–65 R321 Soft Golden Amber<br>66–70 L652 Urban Sodium<br>71–75 Black<br>76–80 L765 LEE Yellow<br>81–85 L513 Ice and a Slice<br>86–105 Black<br>106–110 L90 Dark Yellow Green<br>111–115 Black<br>116–120 R92 Turquoise<br>121–135 Black<br>136–140 L728 Steel Green<br>141–145 L117 Steel Blue<br>146–150 L354 Special Steel Blue<br>151–155 Black<br>156–160 L501 New Colour Blue<br>161–165 L174 Dark Steel Blue<br>166–180 Black<br>181–185 L142 Pale Violet<br>186–195 Black<br>196–200 L794 Pretty'n Pink<br>201–205 L328 Follies Pink<br>206–215 Black<br>216–220 L127 Smokey Pink<br>221–225 L192 Flesh Pink<br>226–235 Black<br>236–240 L157 Pink<br>241–245 R332 Cherry Rose<br>246–255 Black |
| **14** | C TO | 0 | 0–9 Open<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |

## Tour (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Effect | 0 | 0–10 Open<br>11–15 1<br>16–20 2<br>21–25 3<br>26–30 4<br>31–35 5<br>36–40 6<br>41–45 7<br>46–50 8<br>51–55 9<br>56–60 10<br>61–65 11<br>66–70 12<br>71–75 13<br>76–80 14<br>81–85 15<br>86–90 16<br>91–95 17<br>96–100 18<br>101–105 19<br>106–110 1<br>111–115 2-3<br>116–120 4-5<br>121–125 6-7<br>126–130 8-9<br>131–135 10-11<br>136–140 12-13<br>141–145 14-15<br>146–150 16-17<br>151–155 18-19<br>156–160 1<br>161–165 2-3-4<br>166–170 5-6-7<br>171–175 8-9-10<br>176–180 11-12-13<br>181–185 14-15-16<br>186–190 17-18-19<br>191–195 1<br>196–200 2-3-4-5-6-7<br>201–205 8-9-10-11<br>206–210 12-13-14-15<br>211–215 16-17-18-19<br>216–220 1<br>221–225 2-8-9<br>226–230 3-10-11<br>231–235 4-12-13<br>236–240 5-14-15<br>241–245 6-16-17<br>246–250 7-18-19<br>251–255 No Function |

## Tour (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **16** | Effect 2 | 0 | 0–10 Open<br>11–15 1-19 Run<br>16–20 19-1 Run<br>21–25 1-19-1 Run<br>26–30 1-10 and 19-10 Run<br>31–35 Triples Dimmer<br>36–40 Reverse Triples Dimmer<br>41–45 1-19 2700K Run<br>46–50 19-1 2700K Run<br>51–55 1-19-1 2700K Run<br>56–60 1-10 and 19-10 2700K Run<br>61–65 1-19 6000K Run<br>66–70 19-1 6000K Run<br>71–75 1-19-1 6000K Run<br>76–80 1-10 and 19-10 6000K Run<br>81–85 Red Background Green 1-19 Run<br>86–90 Red Background Green 19-1 Run<br>91–95 Red Background Green 1-19-1 Run<br>96–100 Red Background Green 1-10 and 19-10 Run<br>101–105 Green Background Blue 1-19 Run<br>106–110 Green Background Blue 19-1 Run<br>111–115 Green Background Blue 1-19-1 Run<br>116–120 Green Background Blue 1-10 and 19-10 Run<br>121–125 Blue Background Green 1-19 Run<br>126–130 Blue Background Green 19-1 Run<br>131–135 Blue Background Green 1-19-1 Run<br>136–140 Blue Background Green 1-10 and 19-10 Run<br>141–145 Red Background Lime 1-19 Run<br>146–150 Red Background Lime 19-1 Run<br>151–155 Red Background Lime 1-19-1 Run<br>156–160 Red Background Lime 1-10 and 19-10 Run<br>161–165 Green Background Lime 1-19 Run<br>166–170 Green Background Lime 19-1 Run<br>171–175 Green Background Lime 1-19-1 Run<br>176–180 Green Background Lime 1-10 and 19-10 Run<br>181–185 Blue Background Lime 1-19 Run<br>186–190 Blue Background Lime 19-1 Run<br>191–195 Blue Background Lime 1-19-1 Run<br>196–200 Blue Background Lime 1-10 and 19-10 Run<br>201–205 Green Background Red 1-19 Run<br>206–210 Green Background Red 19-1 Run<br>211–215 Green Background Red 1-19-1 Run<br>216–220 Green Background Red 1-10 and 19-10 Run<br>221–225 Blue Background Red 1-19 Run<br>226–230 Blue Background Red 19-1 Run<br>231–235 Blue Background Red 1-19-1 Run<br>236–240 Blue Background Red 1-10 and 19-10 Run<br>241–245 Ring FX<br>246–250 Cycle Operation<br>251–255 No Function |
| **17** | Effect Speed 2 | 0 | |
| **18** | Zoom | 128 | 0–127 Narrow<br>128–254 Mid<br>255–255 Wide |
| **19** | Red | 255 | |
| **20** | Green | 255 | |
| **21** | Blue | 255 | |

## Tour (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **22** | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |
| **23** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **24** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |

## Tour (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **25** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **26** | Red | 255 | |
| **27** | Green | 255 | |
| **28** | Blue | 255 | |
| **29** | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |

### Tour (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **30** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **31** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |
| **32** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **33** | Control1 | 0 | 0–10 Open<br>11–20 P/T Black On<br>21–30 P/T Black Off<br>31–40 Pan Invert On<br>41–50 Tilt Invert On<br>51–60 P/T Invert Off<br>61–70 Studio<br>71–80 Live<br>81–90 Power<br>91–100 Dim4<br>101–110 Dim0<br>111–120 Linear<br>121–130 Square Law<br>131–140 Inv Square Law<br>141–150 S-Curve<br>151–160 1200Hz<br>161–170 2400Hz<br>171–180 4000Hz<br>181–190 6000Hz<br>191–200 25000Hz<br>201–210 All Reset<br>211–220 XY Reset<br>221–230 Zoom Reset<br>231–255 Reserved |

## TR16

38 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 128 | |
| **2** | Pan Fine | 128 | Fine byte of Pan |
| **3** | Tilt | 128 | |
| **4** | Tilt Fine | 128 | Fine byte of Tilt |
| **5** | Position MSpeed | 0 | |

## TR16 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | Pan Tilt Mode | 0 | 0–63 stop rotation by spinout<br>64–127 stop rotation by shortcut<br>128–189 Fwd<br>190–193 Stop<br>194–255 Bwd |
| **7** | Red | 255 | |
| **8** | Red Fine | 255 | Fine byte of Red |
| **9** | Green | 255 | |
| **10** | Green Fine | 255 | Fine byte of Green |
| **11** | Blue | 255 | |
| **12** | Blue Fine | 255 | Fine byte of Blue |
| **13** | Color Add GY | 255 | 0–254 Min<br>255–255 Mac |
| **14** | Color Add GY Fine | 255 | Fine byte of Color Add GY |
| **15** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **16** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **17** | Shutter / Strobe | 0 | 0–9 Open<br>10–44 Strobe · Slow 1–6.35 Hz<br>45–98 Strobe · Medium 6.51–14.8 Hz<br>99–99 Strobe · Fast 15 Hz<br>100–109 Open<br>110–144 Lightning strobe · Slow 1–7.9 Hz<br>145–178 Lightning strobe · Medium 8.1–14.8 Hz<br>179–179 Lightning strobe · Fast 15 Hz<br>180–189 Open<br>190–224 Random · Slow 1–8.32 Hz<br>225–254 Random · Medium 8.54–14.8 Hz<br>255–255 Random · Fast 15 Hz |

## TR16 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Color Macro1 | 0 | 0–10 Open<br>11–15 Black<br>16–20 R40 Light Salmon<br>21–25 L24 Scarlet<br>26–30 L164 Flame Red<br>31–40 Black<br>41–45 L08 Dark Salmon<br>46–50 L25 Sunset Red<br>51–55 Black<br>56–60 L237 CID (To Tungsten)<br>61–65 R321 Soft Golden Amber<br>66–70 L652 Urban Sodium<br>71–75 Black<br>76–80 L765 LEE Yellow<br>81–85 L513 Ice and a Slice<br>86–105 Black<br>106–110 L90 Dark Yellow Green<br>111–115 Black<br>116–120 R92 Turquoise<br>121–135 Black<br>136–140 L728 Steel Green<br>141–145 L117 Steel Blue<br>146–150 L354 Special Steel Blue<br>151–155 Black<br>156–160 L501 New Colour Blue<br>161–165 L174 Dark Steel Blue<br>166–180 Black<br>181–185 L142 Pale Violet<br>186–195 Black<br>196–200 L794 Pretty'n Pink<br>201–205 L328 Follies Pink<br>206–215 Black<br>216–220 L127 Smokey Pink<br>221–225 L192 Flesh Pink<br>226–235 Black<br>236–240 L157 Pink<br>241–245 R332 Cherry Rose<br>246–255 Black |
| **19** | C TO | 0 | 0–9 Open<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |

## TR16 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Effect | 0 | 0–10 Open<br>11–15 1<br>16–20 2<br>21–25 3<br>26–30 4<br>31–35 5<br>36–40 6<br>41–45 7<br>46–50 8<br>51–55 9<br>56–60 10<br>61–65 11<br>66–70 12<br>71–75 13<br>76–80 14<br>81–85 15<br>86–90 16<br>91–95 17<br>96–100 18<br>101–105 19<br>106–110 1<br>111–115 2-3<br>116–120 4-5<br>121–125 6-7<br>126–130 8-9<br>131–135 10-11<br>136–140 12-13<br>141–145 14-15<br>146–150 16-17<br>151–155 18-19<br>156–160 1<br>161–165 2-3-4<br>166–170 5-6-7<br>171–175 8-9-10<br>176–180 11-12-13<br>181–185 14-15-16<br>186–190 17-18-19<br>191–195 1<br>196–200 2-3-4-5-6-7<br>201–205 8-9-10-11<br>206–210 12-13-14-15<br>211–215 16-17-18-19<br>216–220 1<br>221–225 2-8-9<br>226–230 3-10-11<br>231–235 4-12-13<br>236–240 5-14-15<br>241–245 6-16-17<br>246–250 7-18-19<br>251–255 No Function |

## TR16 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Effect 2 | 0 | 0–10 Open<br>11–15 1-19 Run<br>16–20 19-1 Run<br>21–25 1-19-1 Run<br>26–30 1-10 and 19-10 Run<br>31–35 Triples Dimmer<br>36–40 Reverse Triples Dimmer<br>41–45 1-19 2700K Run<br>46–50 19-1 2700K Run<br>51–55 1-19-1 2700K Run<br>56–60 1-10 and 19-10 2700K Run<br>61–65 1-19 6000K Run<br>66–70 19-1 6000K Run<br>71–75 1-19-1 6000K Run<br>76–80 1-10 and 19-10 6000K Run<br>81–85 Red Background Green 1-19 Run<br>86–90 Red Background Green 19-1 Run<br>91–95 Red Background Green 1-19-1 Run<br>96–100 Red Background Green 1-10 and 19-10 Run<br>101–105 Green Background Blue 1-19 Run<br>106–110 Green Background Blue 19-1 Run<br>111–115 Green Background Blue 1-19-1 Run<br>116–120 Green Background Blue 1-10 and 19-10 Run<br>121–125 Blue Background Green 1-19 Run<br>126–130 Blue Background Green 19-1 Run<br>131–135 Blue Background Green 1-19-1 Run<br>136–140 Blue Background Green 1-10 and 19-10 Run<br>141–145 Red Background Lime 1-19 Run<br>146–150 Red Background Lime 19-1 Run<br>151–155 Red Background Lime 1-19-1 Run<br>156–160 Red Background Lime 1-10 and 19-10 Run<br>161–165 Green Background Lime 1-19 Run<br>166–170 Green Background Lime 19-1 Run<br>171–175 Green Background Lime 1-19-1 Run<br>176–180 Green Background Lime 1-10 and 19-10 Run<br>181–185 Blue Background Lime 1-19 Run<br>186–190 Blue Background Lime 19-1 Run<br>191–195 Blue Background Lime 1-19-1 Run<br>196–200 Blue Background Lime 1-10 and 19-10 Run<br>201–205 Green Background Red 1-19 Run<br>206–210 Green Background Red 19-1 Run<br>211–215 Green Background Red 1-19-1 Run<br>216–220 Green Background Red 1-10 and 19-10 Run<br>221–225 Blue Background Red 1-19 Run<br>226–230 Blue Background Red 19-1 Run<br>231–235 Blue Background Red 1-19-1 Run<br>236–240 Blue Background Red 1-10 and 19-10 Run<br>241–245 Ring FX<br>246–250 Cycle Operation<br>251–255 No Function |
| **22** | Effect Speed 2 | 0 | |
| **23** | Zoom | 128 | 0–127 Narrow<br>128–254 Mid<br>255–255 Wide |
| **24** | Red | 255 | |
| **25** | Green | 255 | |
| **26** | Blue | 255 | |

## TR16 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **27** | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |
| **28** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **29** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |

## TR16 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **30** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **31** | Red | 255 | |
| **32** | Green | 255 | |
| **33** | Blue | 255 | |
| **34** | Color Macro1 | 0 | 0–9 Open<br>10–14 Red<br>15–19 Green<br>20–24 Blue<br>25–29 Yellow<br>30–34 Magenta<br>35–39 Cyan<br>40–44 White<br>45–49 Violet Blue<br>50–54 Light Blue<br>55–59 Wine Red<br>60–64 May Green<br>65–69 Reseda Green<br>70–74 Blue Lilac<br>75–79 Moss Green<br>80–84 Signal Violet<br>85–89 Red Lilac<br>90–94 Purple Red<br>95–99 Green Brown<br>100–104 Pale Green<br>105–109 Ruby Red<br>110–114 Flame Red<br>115–119 Red Orange<br>120–124 Rose<br>125–129 Honey Yellow<br>130–134 Light Pin<br>135–139 Deep Orange<br>140–144 Lemon<br>145–149 Golden Yellow<br>150–154 Pastel Orange<br>155–159 Cream<br>160–164 Melon Yellow<br>165–169 Luminous Orange<br>170–174 Luminous Yellow<br>175–179 Open<br>180–248 Stop<br>249–255 Open |

## TR16 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **35** | Color Macro2 | 0 | 0–10 Open<br>11–20 FX1<br>21–30 FX2<br>31–40 FX3<br>41–50 FX4<br>51–60 FX5<br>61–70 FX6<br>71–80 FX7<br>81–90 FX8<br>91–100 FX9<br>101–110 FX10<br>111–120 FX11<br>121–130 FX12<br>131–140 FX13<br>141–150 FX14<br>151–160 FX15<br>161–170 FX16<br>171–180 FX17<br>181–190 FX18<br>191–200 FX19<br>201–210 FX20<br>211–255 Open |
| **36** | Color Macro2Rate | 0 | 0–254 Slow<br>255–255 Fast |
| **37** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **38** | Control1 | 0 | 0–10 Open<br>11–20 P/T Black On<br>21–30 P/T Black Off<br>31–40 Pan Invert On<br>41–50 Tilt Invert On<br>51–60 P/T Invert Off<br>61–70 Studio<br>71–80 Live<br>81–90 Power<br>91–100 Dim4<br>101–110 Dim0<br>111–120 Linear<br>121–130 Square Law<br>131–140 Inv Square Law<br>141–150 S-Curve<br>151–160 1200Hz<br>161–170 2400Hz<br>171–180 4000Hz<br>181–190 6000Hz<br>191–200 25000Hz<br>201–210 All Reset<br>211–220 XY Reset<br>221–230 Zoom Reset<br>231–255 Reserved |