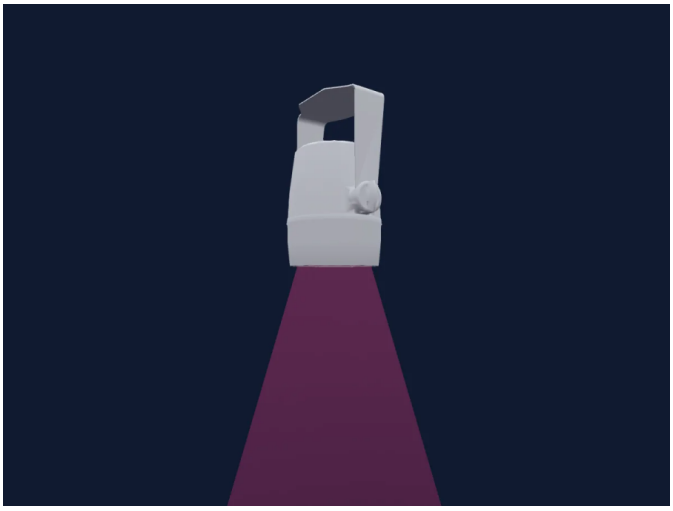
ROXX

# Show TWPlus



| | |
|---|---|
| Manufacturer | **ROXX** |
| Type | **PAR** |
| DMX modes | **12** |
| DMX footprint | **3, 6, 9, 10, 11, 12, 13, 14, 20 channels** |
| Beam angle | **35°** |
| Size (W × H × D) | **260 × 242 × 130 mm** |
| GDTF fixture type | **B5D65EAD-DC93-4EA0-BCFB-8…** |

## Controls

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

## Safety-relevant functions

Fixture reset

## DMX modes

| | |
|---|---|
| 3CH CCT | 3 ch |
| 3CH HSI | 3 ch |
| 3CH RGB | 3 ch |
| 6CH Direct | 6 ch |
| 6CH RGB | 6 ch |
| 9CH RGB | 9 ch |
| 10CH HSI | 10 ch |
| 11CH RGB | 11 ch |
| 12CH Direct | 12 ch |
| 13CH Direct | 13 ch |
| 14CH RGB | 14 ch |
| 20CH Direct | 20 ch |

## 3CH CCT

3 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | C TC | 2 | |
| 3 | Tint | 128 | 0–0 NoFeature 1<br>1–127 Magenta --> Neutral<br>128–128 Neutral<br>129–255 Neutral --> Green |

## 3CH HSI

3 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | H SBHue | 0 | |
| 3 | H SBSaturation | 0 | |

## 3CH RGB

3 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 0 | |
| 2 | Green | 0 | |
| 3 | Blue | 0 | |

## 6CH Direct

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 0 | |
| 2 | Green | 0 | |
| 3 | Blue | 0 | |
| 4 | Color Add RY | 0 | |
| 5 | Color Add GY | 0 | |
| 6 | Color Add C | 0 | |

## 6CH RGB

6 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 0 | |
| 2 | Red Fine | 0 | Fine byte of Red |
| 3 | Green | 0 | |
| 4 | Green Fine | 0 | Fine byte of Green |
| 5 | Blue | 0 | |
| 6 | Blue Fine | 0 | Fine byte of Blue |

## 9CH RGB

9 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |

### 9CH RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 2 | Shutter / Strobe | 22 | 0–19 Shutter Close<br>20–24 Shutter Open<br>25–63 Fast Strobe<br>64–64 Slow Strobe<br>65–69 Open<br>70–83 Fast Pulse<br>84–84 Slow Pulse<br>85–89 Open<br>90–103 Fast Pulse<br>104–104 Slow Pulse<br>105–109 Open<br>110–123 Fast Strobe<br>124–124 Slow Strobe<br>125–129 Open<br>130–143 Fast Pulse<br>144–144 Slow Pulse<br>145–149 Open<br>150–163 Fast Pulse<br>164–164 Slow Pulse<br>165–169 Open<br>170–183 Fast Pulse<br>184–184 Slow Pulse<br>185–189 Open<br>190–203 Fast Pulse<br>204–204 Slow Pulse<br>205–209 Open<br>210–223 Fast Sin Wave<br>224–224 Slow Sin Wave<br>225–229 Open<br>230–243 Fast Burst<br>244–244 Slow Burst<br>245–255 Open |
| 3 | Red | 255 | |
| 4 | Green | 255 | |
| 5 | Blue | 255 | |
| 6 | C TC | 2 | |
| 7 | Tint | 128 | 0–0 NoFeature 1<br>1–127 Magenta --> Neutral<br>128–128 Neutral<br>129–255 Neutral --> Green |
| 8 | Color Macro1 | 0 | |
| 9 | Color Macro XFade | 3 | 0–5 No Function<br>6–104 1/10s<br>105–105 10s<br>106–213 11s<br>214–214 119s<br>215–243 2m<br>244–244 4m50s<br>245–254 5m<br>255–255 15m |

## 10CH HSI

10 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |
| 2 | Dimmer Fine | 0 | Fine byte of Dimmer |

## 10CH HSI (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **3** | Shutter / Strobe | 22 | 0–19 Shutter Close<br>20–24 Shutter Open<br>25–63 Fast Strobe<br>64–64 Slow Strobe<br>65–69 Open<br>70–83 Fast Pulse<br>84–84 Slow Pulse<br>85–89 Open<br>90–103 Fast Pulse<br>104–104 Slow Pulse<br>105–109 Open<br>110–123 Fast Strobe<br>124–124 Slow Strobe<br>125–129 Open<br>130–143 Fast Pulse<br>144–144 Slow Pulse<br>145–149 Open<br>150–163 Fast Pulse<br>164–164 Slow Pulse<br>165–169 Open<br>170–183 Fast Pulse<br>184–184 Slow Pulse<br>185–189 Open<br>190–203 Fast Pulse<br>204–204 Slow Pulse<br>205–209 Open<br>210–223 Fast Sin Wave<br>224–224 Slow Sin Wave<br>225–229 Open<br>230–243 Fast Burst<br>244–244 Slow Burst<br>245–255 Open |
| **4** | H SBHue | 0 | |
| **5** | H SBSaturation | 0 | |
| **6** | C TC | 2 | |
| **7** | Tint | 128 | 0–0 NoFeature 1<br>1–127 Magenta --> Neutral<br>128–128 Neutral<br>129–255 Neutral --> Green |
| **8** | Color Macro1 | 0 | |
| **9** | Color Macro XFade | 3 | 0–5 No Function<br>6–104 1/10s<br>105–105 10s<br>106–213 11s<br>214–214 119s<br>215–243 2m<br>244–244 4m50s<br>245–254 5m<br>255–255 15m |

### 10CH HSI (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Control1 | 15 | 0–29 No Function<br>30–34 Linear Dimmer Curve<br>35–39 Exponential DImmer Curve<br>40–44 Logarithimic Dimmer Curve<br>45–49 S-Curve DImmer Curve<br>50–54 Fast Dimmer Response (LED)<br>55–59 Slow Dimmer Response (Halogen)<br>60–94 No Function<br>95–99 LED Frequency 800Hz<br>100–104 LED Frequency 1200Hz<br>105–109 LED Frequency 2000Hz<br>110–114 LED Frequency 3600Hz<br>115–119 LED Frequency 12kHz<br>120–124 LED Frequency 25kHz<br>125–129 No Function<br>130–134 Fan Auto<br>135–139 Fan Silent<br>140–144 Fan Studio<br>145–149 Fan Off<br>150–154 Fan High Power<br>155–159 No Function<br>160–164 Redshift On<br>165–169 Redshift Off<br>170–174 Normal CRI<br>175–179 High CRI<br>180–184 Factory Reset<br>185–189 User Reset<br>190–255 No Function |

## 11CH RGB

11 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Dimmer | 0 | |

## 11CH RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **2** | Shutter / Strobe | 22 | 0–19 Shutter Close<br>20–24 Shutter Open<br>25–63 Fast Strobe<br>64–64 Slow Strobe<br>65–69 Open<br>70–83 Fast Pulse<br>84–84 Slow Pulse<br>85–89 Open<br>90–103 Fast Pulse<br>104–104 Slow Pulse<br>105–109 Open<br>110–123 Fast Strobe<br>124–124 Slow Strobe<br>125–129 Open<br>130–143 Fast Pulse<br>144–144 Slow Pulse<br>145–149 Open<br>150–163 Fast Pulse<br>164–164 Slow Pulse<br>165–169 Open<br>170–183 Fast Pulse<br>184–184 Slow Pulse<br>185–189 Open<br>190–203 Fast Pulse<br>204–204 Slow Pulse<br>205–209 Open<br>210–223 Fast Sin Wave<br>224–224 Slow Sin Wave<br>225–229 Open<br>230–243 Fast Burst<br>244–244 Slow Burst<br>245–255 Open |
| **3** | Strobe Duration | 0 | 0–254 0%<br>255–255 100% |
| **4** | Red | 255 | |
| **5** | Green | 255 | |
| **6** | Blue | 255 | |
| **7** | C TC | 2 | |
| **8** | Tint | 128 | 0–0 NoFeature 1<br>1–127 Magenta --> Neutral<br>128–128 Neutral<br>129–255 Neutral --> Green |
| **9** | Color Macro1 | 0 | |
| **10** | Color Macro XFade | 3 | 0–5 No Function<br>6–104 1/10s<br>105–105 10s<br>106–213 11s<br>214–214 119s<br>215–243 2m<br>244–244 4m50s<br>245–254 5m<br>255–255 15m |

### 11CH RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **11** | Control1 | 15 | 0–29 No Function<br>30–34 Linear Dimmer Curve<br>35–39 Exponential DImmer Curve<br>40–44 Logarithimic Dimmer Curve<br>45–49 S-Curve DImmer Curve<br>50–54 Fast Dimmer Response (LED)<br>55–59 Slow Dimmer Response (Halogen)<br>60–94 No Function<br>95–99 LED Frequency 800Hz<br>100–104 LED Frequency 1200Hz<br>105–109 LED Frequency 2000Hz<br>110–114 LED Frequency 3600Hz<br>115–119 LED Frequency 12kHz<br>120–124 LED Frequency 25kHz<br>125–129 No Function<br>130–134 Fan Auto<br>135–139 Fan Silent<br>140–144 Fan Studio<br>145–149 Fan Off<br>150–154 Fan High Power<br>155–159 No Function<br>160–164 Redshift On<br>165–169 Redshift Off<br>170–174 Normal CRI<br>175–179 High CRI<br>180–184 Factory Reset<br>185–189 User Reset<br>190–255 No Function |

## 12CH Direct

12 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Red | 0 | |
| **2** | Red Fine | 0 | Fine byte of Red |
| **3** | Green | 0 | |
| **4** | Green Fine | 0 | Fine byte of Green |
| **5** | Blue | 0 | |
| **6** | Blue Fine | 0 | Fine byte of Blue |
| **7** | Color Add RY | 0 | |
| **8** | Color Add RY Fine | 0 | Fine byte of Color Add RY |
| **9** | Color Add GY | 0 | |
| **10** | Color Add GY Fine | 0 | Fine byte of Color Add GY |
| **11** | Color Add C | 0 | |
| **12** | Color Add C Fine | 0 | Fine byte of Color Add C |

## 13CH Direct

13 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Dimmer | 0 | |

## 13CH Direct (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **2** | Shutter / Strobe | 22 | 0–19 Shutter Close<br>20–24 Shutter Open<br>25–63 Fast Strobe<br>64–64 Slow Strobe<br>65–69 Open<br>70–83 Fast Pulse<br>84–84 Slow Pulse<br>85–89 Open<br>90–103 Fast Pulse<br>104–104 Slow Pulse<br>105–109 Open<br>110–123 Fast Strobe<br>124–124 Slow Strobe<br>125–129 Open<br>130–143 Fast Pulse<br>144–144 Slow Pulse<br>145–149 Open<br>150–163 Fast Pulse<br>164–164 Slow Pulse<br>165–169 Open<br>170–183 Fast Pulse<br>184–184 Slow Pulse<br>185–189 Open<br>190–203 Fast Pulse<br>204–204 Slow Pulse<br>205–209 Open<br>210–223 Fast Sin Wave<br>224–224 Slow Sin Wave<br>225–229 Open<br>230–243 Fast Burst<br>244–244 Slow Burst<br>245–255 Open |
| **3** | Red | 255 | |
| **4** | Green | 255 | |
| **5** | Blue | 255 | |
| **6** | Color Add RY | 255 | |
| **7** | Color Add GY | 255 | |
| **8** | Color Add C | 255 | |
| **9** | C TC | 2 | |
| **10** | Tint | 128 | 0–0 NoFeature 1<br>1–127 Magenta --> Neutral<br>128–128 Neutral<br>129–255 Neutral --> Green |
| **11** | Color Macro1 | 0 | |
| **12** | Color Macro XFade | 3 | 0–5 No Function<br>6–104 1/10s<br>105–105 10s<br>106–213 11s<br>214–214 119s<br>215–243 2m<br>244–244 4m50s<br>245–254 5m<br>255–255 15m |

### 13CH Direct (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **13** | Control1 | 15 | 0–29 No Function<br>30–34 Linear Dimmer Curve<br>35–39 Exponential DImmer Curve<br>40–44 Logarithimic Dimmer Curve<br>45–49 S-Curve DImmer Curve<br>50–54 Fast Dimmer Response (LED)<br>55–59 Slow Dimmer Response (Halogen)<br>60–94 No Function<br>95–99 LED Frequency 800Hz<br>100–104 LED Frequency 1200Hz<br>105–109 LED Frequency 2000Hz<br>110–114 LED Frequency 3600Hz<br>115–119 LED Frequency 12kHz<br>120–124 LED Frequency 25kHz<br>125–129 No Function<br>130–134 Fan Auto<br>135–139 Fan Silent<br>140–144 Fan Studio<br>145–149 Fan Off<br>150–154 Fan High Power<br>155–159 No Function<br>160–164 Redshift On<br>165–169 Redshift Off<br>170–174 Normal CRI<br>175–179 High CRI<br>180–184 Factory Reset<br>185–189 User Reset<br>190–255 No Function |

## 14CH RGB

14 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Dimmer | 0 | |
| **2** | Dimmer Fine | 0 | Fine byte of Dimmer |

## 14CH RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **3** | Shutter / Strobe | 22 | 0–19 Shutter Close<br>20–24 Shutter Open<br>25–63 Fast Strobe<br>64–64 Slow Strobe<br>65–69 Open<br>70–83 Fast Pulse<br>84–84 Slow Pulse<br>85–89 Open<br>90–103 Fast Pulse<br>104–104 Slow Pulse<br>105–109 Open<br>110–123 Fast Strobe<br>124–124 Slow Strobe<br>125–129 Open<br>130–143 Fast Pulse<br>144–144 Slow Pulse<br>145–149 Open<br>150–163 Fast Pulse<br>164–164 Slow Pulse<br>165–169 Open<br>170–183 Fast Pulse<br>184–184 Slow Pulse<br>185–189 Open<br>190–203 Fast Pulse<br>204–204 Slow Pulse<br>205–209 Open<br>210–223 Fast Sin Wave<br>224–224 Slow Sin Wave<br>225–229 Open<br>230–243 Fast Burst<br>244–244 Slow Burst<br>245–255 Open |
| **4** | Red | 255 | |
| **5** | Red Fine | 255 | Fine byte of Red |
| **6** | Green | 255 | |
| **7** | Green Fine | 255 | Fine byte of Green |
| **8** | Blue | 255 | |
| **9** | Blue Fine | 255 | Fine byte of Blue |
| **10** | C TC | 2 | |
| **11** | Tint | 128 | 0–0 NoFeature 1<br>1–127 Magenta --> Neutral<br>128–128 Neutral<br>129–255 Neutral --> Green |
| **12** | Color Macro1 | 0 | |
| **13** | Color Macro XFade | 3 | 0–5 No Function<br>6–104 1/10s<br>105–105 10s<br>106–213 11s<br>214–214 119s<br>215–243 2m<br>244–244 4m50s<br>245–254 5m<br>255–255 15m |

### 14CH RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **14** | Control1 | 15 | 0–29 No Function<br>30–34 Linear Dimmer Curve<br>35–39 Exponential DImmer Curve<br>40–44 Logarithimic Dimmer Curve<br>45–49 S-Curve DImmer Curve<br>50–54 Fast Dimmer Response (LED)<br>55–59 Slow Dimmer Response (Halogen)<br>60–94 No Function<br>95–99 LED Frequency 800Hz<br>100–104 LED Frequency 1200Hz<br>105–109 LED Frequency 2000Hz<br>110–114 LED Frequency 3600Hz<br>115–119 LED Frequency 12kHz<br>120–124 LED Frequency 25kHz<br>125–129 No Function<br>130–134 Fan Auto<br>135–139 Fan Silent<br>140–144 Fan Studio<br>145–149 Fan Off<br>150–154 Fan High Power<br>155–159 No Function<br>160–164 Redshift On<br>165–169 Redshift Off<br>170–174 Normal CRI<br>175–179 High CRI<br>180–184 Factory Reset<br>185–189 User Reset<br>190–255 No Function |

## 20CH Direct

20 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Dimmer | 0 | |
| **2** | Dimmer Fine | 0 | Fine byte of Dimmer |

## 20CH Direct (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **3** | Shutter / Strobe | 22 | 0–19 Shutter Close<br>20–24 Shutter Open<br>25–63 Fast Strobe<br>64–64 Slow Strobe<br>65–69 Open<br>70–83 Fast Pulse<br>84–84 Slow Pulse<br>85–89 Open<br>90–103 Fast Pulse<br>104–104 Slow Pulse<br>105–109 Open<br>110–123 Fast Strobe<br>124–124 Slow Strobe<br>125–129 Open<br>130–143 Fast Pulse<br>144–144 Slow Pulse<br>145–149 Open<br>150–163 Fast Pulse<br>164–164 Slow Pulse<br>165–169 Open<br>170–183 Fast Pulse<br>184–184 Slow Pulse<br>185–189 Open<br>190–203 Fast Pulse<br>204–204 Slow Pulse<br>205–209 Open<br>210–223 Fast Sin Wave<br>224–224 Slow Sin Wave<br>225–229 Open<br>230–243 Fast Burst<br>244–244 Slow Burst<br>245–255 Open |
| **4** | Red | 255 | |
| **5** | Red Fine | 255 | Fine byte of Red |
| **6** | Green | 255 | |
| **7** | Green Fine | 255 | Fine byte of Green |
| **8** | Blue | 255 | |
| **9** | Blue Fine | 255 | Fine byte of Blue |
| **10** | Color Add RY | 255 | |
| **11** | Color Add RY Fine | 255 | Fine byte of Color Add RY |
| **12** | Color Add GY | 255 | |
| **13** | Color Add GY Fine | 255 | Fine byte of Color Add GY |
| **14** | Color Add C | 255 | |
| **15** | Color Add C Fine | 255 | Fine byte of Color Add C |
| **16** | C TC | 2 | |
| **17** | Tint | 128 | 0–0 NoFeature 1<br>1–127 Magenta --> Neutral<br>128–128 Neutral<br>129–255 Neutral --> Green |
| **18** | Color Macro1 | 0 | |

## 20CH Direct (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **19** | Color Macro XFade | 3 | 0–5 No Function<br>6–104 1/10s<br>105–105 10s<br>106–213 11s<br>214–214 119s<br>215–243 2m<br>244–244 4m50s<br>245–254 5m<br>255–255 15m |
| **20** | Control1 | 15 | 0–29 No Function<br>30–34 Linear Dimmer Curve<br>35–39 Exponential DImmer Curve<br>40–44 Logarithimic Dimmer Curve<br>45–49 S-Curve DImmer Curve<br>50–54 Fast Dimmer Response (LED)<br>55–59 Slow Dimmer Response (Halogen)<br>60–94 No Function<br>95–99 LED Frequency 800Hz<br>100–104 LED Frequency 1200Hz<br>105–109 LED Frequency 2000Hz<br>110–114 LED Frequency 3600Hz<br>115–119 LED Frequency 12kHz<br>120–124 LED Frequency 25kHz<br>125–129 No Function<br>130–134 Fan Auto<br>135–139 Fan Silent<br>140–144 Fan Studio<br>145–149 Fan Off<br>150–154 Fan High Power<br>155–159 No Function<br>160–164 Redshift On<br>165–169 Redshift Off<br>170–174 Normal CRI<br>175–179 High CRI<br>180–184 Factory Reset<br>185–189 User Reset<br>190–255 No Function |