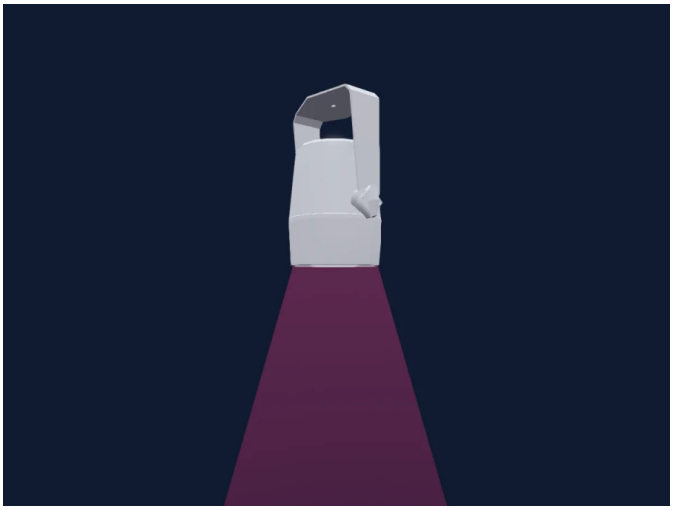
ROXX

E-Show FC



Manufacturer	**ROXX**
Type	**PAR**
DMX modes	**12**
DMX footprint	**3, 4, 6, 8, 9, 10, 11, 14, 16 channels**
Beam angle	**35°**
Size (W × H × D)	**261 × 339 × 192 mm**
GDTF fixture type	**96D9476E-3AA3-44E4-B742-6E…**

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
4CH Direct RAW	4 ch
6CH RGB 16Bit	6 ch
8CH Direct RAW	8 ch
9CH RGB	9 ch
10CH HSI	10 ch
11CH Direct RAW	11 ch
11CH RGB	11 ch
14CH RGB	14 ch
16CH Direct RAW	16 ch

3CH CCT

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	C TC	0	0–4 Default (5600K) 5–63 2000K 64–103 3200K 104–152 4000K 153–181 5000K 182–201 5600K 202–225 6000K 226–254 6500K 255–255 10000K
3	Tint	128	1–127 Magenta->Neutral 128–128 Neutral 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	

4CH Direct RAW

4 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	Color Add GY	0	

6CH RGB 16Bit

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

8CH Direct RAW

8 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 GY	0	
8	Color Add GY Fine	0	Fine byte of Color Add GY

9CH RGB

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	20	0–23 Close 24–24 Open 25–63 Strobe · Fast 9–1.13 Hz 64–64 Strobe · Slow 0.925 Hz 65–69 Open 1 70–83 Pulse Opening · Fast 3.5–0.854 Hz 84–84 Pulse Opening · Slow 0.65 Hz 85–89 Open 2 90–103 Pulse Closing · Fast 3.5–0.854 Hz 104–104 Pulse Closing · Slow 0.65 Hz 105–109 Open 3 110–123 Random Strobe · Fast 9–1.5 Hz 124–124 Random Strobe · Slow 0.925 Hz 125–129 Open 4 130–143 Random Pulse Opening · Fast 3.5–0.854 Hz 144–144 Random Pulse Opening · Slow 0.65 Hz 145–149 Open 5 150–163 Random Pulse Closing · Fast 3.5–0.854 Hz 164–164 Random Pulse Closing · Slow 0.65 Hz 165–169 Open 6 170–183 Burst Pulse · Fast 9–7.14 Hz 184–184 Burst Pulse · Slow 7 Hz 185–189 Open 7 190–203 Random Burst Pulse · Fast 9–7.14 Hz 204–204 Random Burst Pulse · Slow 7 Hz 205–209 Open 8 210–223 Sine Wave strobe · Fast 1.9–0.414 Hz 224–224 Sine Wave strobe · Slow 0.3 Hz 225–229 Open 9 230–243 Burst strobe · Fast 10–3.96 Hz 244–244 Burst strobe · Slow 3.5 Hz 245–255 Open 10
3	Red	255	
4	Green	255	
5	Blue	255	

9CH RGB (continued)

Ch	Function	Default	DMX values
6	C TC	0	0–4 Default (5600K) 5–63 2000K 64–103 3200K 104–152 4000K 153–181 5000K 182–201 5600K 202–225 6000K 226–254 6500K 255–255 10000K
7	Tint	128	1–127 Magenta->Neutral 128–128 Neutral 129–255 Neutral->Green
8	Color Macro1	0	
9	Color Macro1Rate	0	6–105 01s - 10s (01s steps) 106–214 11s - 119s (1s steps) 215–244 2m - 4m50s (10s steps) 245–255 5m - 15m (1m steps)

10CH HSI

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	20	0–23 Close 24–24 Open 25–63 Strobe · Fast 9–1.13 Hz 64–64 Strobe · Slow 0.925 Hz 65–69 Open 1 70–83 Pulse Opening · Fast 3.5–0.854 Hz 84–84 Pulse Opening · Slow 0.65 Hz 85–89 Open 2 90–103 Pulse Closing · Fast 3.5–0.854 Hz 104–104 Pulse Closing · Slow 0.65 Hz 105–109 Open 3 110–123 Random Strobe · Fast 9–1.5 Hz 124–124 Random Strobe · Slow 0.925 Hz 125–129 Open 4 130–143 Random Pulse Opening · Fast 3.5–0.854 Hz 144–144 Random Pulse Opening · Slow 0.65 Hz 145–149 Open 5 150–163 Random Pulse Closing · Fast 3.5–0.854 Hz 164–164 Random Pulse Closing · Slow 0.65 Hz 165–169 Open 6 170–183 Burst Pulse · Fast 9–7.14 Hz 184–184 Burst Pulse · Slow 7 Hz 185–189 Open 7 190–203 Random Burst Pulse · Fast 9–7.14 Hz 204–204 Random Burst Pulse · Slow 7 Hz 205–209 Open 8 210–223 Sine Wave strobe · Fast 1.9–0.414 Hz 224–224 Sine Wave strobe · Slow 0.3 Hz 225–229 Open 9 230–243 Burst strobe · Fast 10–3.96 Hz 244–244 Burst strobe · Slow 3.5 Hz 245–255 Open 10
4	H SBHue	0	
5	H SBSaturation	0	

10CH HSI (continued)

Ch	Function	Default	DMX values
6	C TC	0	0–4 Default (5600K) 5–63 2000K 64–103 3200K 104–152 4000K 153–181 5000K 182–201 5600K 202–225 6000K 226–254 6500K 255–255 10000K
7	Tint	128	1–127 Magenta->Neutral 128–128 Neutral 129–255 Neutral->Green
8	Color Macro1	0	
9	Color Macro1Rate	0	6–105 01s - 10s (01s steps) 106–214 11s - 119s (1s steps) 215–244 2m - 4m50s (10s steps) 245–255 5m - 15m (1m steps)
10	Control1	0	30–34 Linear Dimmer Curve (3s) 35–39 Exponential Dimmer Curve (3s) 40–44 Logarithmic Dimmer Curve (3s) 45–49 S-Curve Dimmer Curve (3s) 50–54 LED Dimmer Response (1;5s) 55–94 Halogen Dimmer Response (1;5s) 95–99 800Hz LED Frequency (3s) 100–104 1200Hz LED Frequency (3s) 105–109 2000Hz LED Frequency (3s) 110–114 3600Hz LED Frequency (3s) 115–119 12kHz LED Frequency (3s) 120–129 25kHz LED Frequency (3s) 130–134 Fan Auto (3s) 135–139 Fan Silent (3s) 140–144 Fan Studio (3s) 145–149 Fan Off (3s) 150–159 Fan High Power (3s) 160–164 Redshift On (1;5s) 165–169 Redshift Off (1;5s) 170–174 Normal CRI (1;5s) 175–179 High CRI (1;5s) 180–184 Factory Reset (3s) 185–244 User Reset (3s) 245–255 Snapshot (3s)

11CH Direct RAW

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	

11CH Direct RAW (continued)

Ch	Function	Default	DMX values
2	Shutter / Strobe	20	0–23 Close 24–24 Open 25–63 Strobe · Fast 9–1.13 Hz 64–64 Strobe · Slow 0.925 Hz 65–69 Open 1 70–83 Pulse Opening · Fast 3.5–0.854 Hz 84–84 Pulse Opening · Slow 0.65 Hz 85–89 Open 2 90–103 Pulse Closing · Fast 3.5–0.854 Hz 104–104 Pulse Closing · Slow 0.65 Hz 105–109 Open 3 110–123 Random Strobe · Fast 9–1.5 Hz 124–124 Random Strobe · Slow 0.925 Hz 125–129 Open 4 130–143 Random Pulse Opening · Fast 3.5–0.854 Hz 144–144 Random Pulse Opening · Slow 0.65 Hz 145–149 Open 5 150–163 Random Pulse Closing · Fast 3.5–0.854 Hz 164–164 Random Pulse Closing · Slow 0.65 Hz 165–169 Open 6 170–183 Burst Pulse · Fast 9–7.14 Hz 184–184 Burst Pulse · Slow 7 Hz 185–189 Open 7 190–203 Random Burst Pulse · Fast 9–7.14 Hz 204–204 Random Burst Pulse · Slow 7 Hz 205–209 Open 8 210–223 Sine Wave strobe · Fast 1.9–0.414 Hz 224–224 Sine Wave strobe · Slow 0.3 Hz 225–229 Open 9 230–243 Burst strobe · Fast 10–3.96 Hz 244–244 Burst strobe · Slow 3.5 Hz 245–255 Open 10
3	Red	255	
4	Green	255	
5	Blue	255	
6	Color Add GY	255	
7	C TC	0	0–4 Default (5600K) 5–63 2000K 64–103 3200K 104–152 4000K 153–181 5000K 182–201 5600K 202–225 6000K 226–254 6500K 255–255 10000K
8	Tint	128	1–127 Magenta->Neutral 128–128 Neutral 129–255 Neutral->Green
9	Color Macro1	0	
10	Color Macro1Rate	0	6–105 01s - 10s (01s steps) 106–214 11s - 119s (1s steps) 215–244 2m - 4m50s (10s steps) 245–255 5m - 15m (1m steps)

11CH Direct RAW (continued)

Ch	Function	Default	DMX values
11	Control1	0	30–34 Linear Dimmer Curve (3s) 35–39 Exponential Dimmer Curve (3s) 40–44 Logarithmic Dimmer Curve (3s) 45–49 S-Curve Dimmer Curve (3s) 50–54 LED Dimmer Response (1;5s) 55–94 Halogen Dimmer Response (1;5s) 95–99 800Hz LED Frequency (3s) 100–104 1200Hz LED Frequency (3s) 105–109 2000Hz LED Frequency (3s) 110–114 3600Hz LED Frequency (3s) 115–119 12kHz LED Frequency (3s) 120–129 25kHz LED Frequency (3s) 130–134 Fan Auto (3s) 135–139 Fan Silent (3s) 140–144 Fan Studio (3s) 145–149 Fan Off (3s) 150–159 Fan High Power (3s) 160–164 Redshift On (1;5s) 165–179 Redshift Off (1;5s) 180–184 Factory Reset (3s) 185–244 User Reset (3s) 245–255 Snapshot (3s)

11CH RGB

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	20	0–23 Close 24–24 Open 25–63 Strobe · Fast 9–1.13 Hz 64–64 Strobe · Slow 0.925 Hz 65–69 Open 1 70–83 Pulse Opening · Fast 3.5–0.854 Hz 84–84 Pulse Opening · Slow 0.65 Hz 85–89 Open 2 90–103 Pulse Closing · Fast 3.5–0.854 Hz 104–104 Pulse Closing · Slow 0.65 Hz 105–109 Open 3 110–123 Random Strobe · Fast 9–1.5 Hz 124–124 Random Strobe · Slow 0.925 Hz 125–129 Open 4 130–143 Random Pulse Opening · Fast 3.5–0.854 Hz 144–144 Random Pulse Opening · Slow 0.65 Hz 145–149 Open 5 150–163 Random Pulse Closing · Fast 3.5–0.854 Hz 164–164 Random Pulse Closing · Slow 0.65 Hz 165–169 Open 6 170–183 Burst Pulse · Fast 9–7.14 Hz 184–184 Burst Pulse · Slow 7 Hz 185–189 Open 7 190–203 Random Burst Pulse · Fast 9–7.14 Hz 204–204 Random Burst Pulse · Slow 7 Hz 205–209 Open 8 210–223 Sine Wave strobe · Fast 1.9–0.414 Hz 224–224 Sine Wave strobe · Slow 0.3 Hz 225–229 Open 9 230–243 Burst strobe · Fast 10–3.96 Hz 244–244 Burst strobe · Slow 3.5 Hz 245–255 Open 10
3	Strobe Duration	0	1–254 0% 255–255 100%

11CH RGB (continued)

Ch	Function	Default	DMX values
4	Red	255	
5	Green	255	
6	Blue	255	
7	C TC	0	0–4 Default (5600K) 5–63 2000K 64–103 3200K 104–152 4000K 153–181 5000K 182–201 5600K 202–225 6000K 226–254 6500K 255–255 10000K
8	Tint	128	1–127 Magenta->Neutral 128–128 Neutral 129–255 Neutral->Green
9	Color Macro1	0	
10	Color Macro1Rate	0	6–105 01s - 10s (01s steps) 106–214 11s - 119s (1s steps) 215–244 2m - 4m50s (10s steps) 245–255 5m - 15m (1m steps)
11	Control1	0	30–34 Linear Dimmer Curve (3s) 35–39 Exponential Dimmer Curve (3s) 40–44 Logarithmic Dimmer Curve (3s) 45–49 S-Curve Dimmer Curve (3s) 50–54 LED Dimmer Response (1;5s) 55–94 Halogen Dimmer Response (1;5s) 95–99 800Hz LED Frequency (3s) 100–104 1200Hz LED Frequency (3s) 105–109 2000Hz LED Frequency (3s) 110–114 3600Hz LED Frequency (3s) 115–119 12kHz LED Frequency (3s) 120–129 25kHz LED Frequency (3s) 130–134 Fan Auto (3s) 135–139 Fan Silent (3s) 140–144 Fan Studio (3s) 145–149 Fan Off (3s) 150–159 Fan High Power (3s) 160–164 Redshift On (1;5s) 165–169 Redshift Off (1;5s) 170–174 Normal CRI (1;5s) 175–179 High CRI (1;5s) 180–184 Factory Reset (3s) 185–244 User Reset (3s) 245–255 Snapshot (3s)

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	20	0–23 Close 24–24 Open 25–63 Strobe · Fast 9–1.13 Hz 64–64 Strobe · Slow 0.925 Hz 65–69 Open 1 70–83 Pulse Opening · Fast 3.5–0.854 Hz 84–84 Pulse Opening · Slow 0.65 Hz 85–89 Open 2 90–103 Pulse Closing · Fast 3.5–0.854 Hz 104–104 Pulse Closing · Slow 0.65 Hz 105–109 Open 3 110–123 Random Strobe · Fast 9–1.5 Hz 124–124 Random Strobe · Slow 0.925 Hz 125–129 Open 4 130–143 Random Pulse Opening · Fast 3.5–0.854 Hz 144–144 Random Pulse Opening · Slow 0.65 Hz 145–149 Open 5 150–163 Random Pulse Closing · Fast 3.5–0.854 Hz 164–164 Random Pulse Closing · Slow 0.65 Hz 165–169 Open 6 170–183 Burst Pulse · Fast 9–7.14 Hz 184–184 Burst Pulse · Slow 7 Hz 185–189 Open 7 190–203 Random Burst Pulse · Fast 9–7.14 Hz 204–204 Random Burst Pulse · Slow 7 Hz 205–209 Open 8 210–223 Sine Wave strobe · Fast 1.9–0.414 Hz 224–224 Sine Wave strobe · Slow 0.3 Hz 225–229 Open 9 230–243 Burst strobe · Fast 10–3.96 Hz 244–244 Burst strobe · Slow 3.5 Hz 245–255 Open 10
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	0	0–4 Default (5600K) 5–63 2000K 64–103 3200K 104–152 4000K 153–181 5000K 182–201 5600K 202–225 6000K 226–254 6500K 255–255 10000K
11	Tint	128	1–127 Magenta->Neutral 128–128 Neutral 129–255 Neutral->Green
12	Color Macro1	0	
13	Color Macro1Rate	0	6–105 01s - 10s (01s steps) 106–214 11s - 119s (1s steps) 215–244 2m - 4m50s (10s steps) 245–255 5m - 15m (1m steps)

14CH RGB (continued)

Ch	Function	Default	DMX values
14	Control1	0	30–34 Linear Dimmer Curve (3s) 35–39 Exponential Dimmer Curve (3s) 40–44 Logarithmic Dimmer Curve (3s) 45–49 S-Curve Dimmer Curve (3s) 50–54 LED Dimmer Response (1;5s) 55–94 Halogen Dimmer Response (1;5s) 95–99 800Hz LED Frequency (3s) 100–104 1200Hz LED Frequency (3s) 105–109 2000Hz LED Frequency (3s) 110–114 3600Hz LED Frequency (3s) 115–119 12kHz LED Frequency (3s) 120–129 25kHz LED Frequency (3s) 130–134 Fan Auto (3s) 135–139 Fan Silent (3s) 140–144 Fan Studio (3s) 145–149 Fan Off (3s) 150–159 Fan High Power (3s) 160–164 Redshift On (1;5s) 165–169 Redshift Off (1;5s) 170–174 Normal CRI (1;5s) 175–179 High CRI (15s); 180–184 Factory Reset (3s) 185–244 User Reset (3s) 245–255 Snapshot (3s)

16CH Direct RAW

16 channels

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

16CH Direct RAW (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	20	0–23 Close 24–24 Open 25–63 Strobe · Fast 9–1.13 Hz 64–64 Strobe · Slow 0.925 Hz 65–69 Open 1 70–83 Pulse Opening · Fast 3.5–0.854 Hz 84–84 Pulse Opening · Slow 0.65 Hz 85–89 Open 2 90–103 Pulse Closing · Fast 3.5–0.854 Hz 104–104 Pulse Closing · Slow 0.65 Hz 105–109 Open 3 110–123 Random Strobe · Fast 9–1.5 Hz 124–124 Random Strobe · Slow 0.925 Hz 125–129 Open 4 130–143 Random Pulse Opening · Fast 3.5–0.854 Hz 144–144 Random Pulse Opening · Slow 0.65 Hz 145–149 Open 5 150–163 Random Pulse Closing · Fast 3.5–0.854 Hz 164–164 Random Pulse Closing · Slow 0.65 Hz 165–169 Open 6 170–183 Burst Pulse · Fast 9–7.14 Hz 184–184 Burst Pulse · Slow 7 Hz 185–189 Open 7 190–203 Random Burst Pulse · Fast 9–7.14 Hz 204–204 Random Burst Pulse · Slow 7 Hz 205–209 Open 8 210–223 Sine Wave strobe · Fast 1.9–0.414 Hz 224–224 Sine Wave strobe · Slow 0.3 Hz 225–229 Open 9 230–243 Burst strobe · Fast 10–3.96 Hz 244–244 Burst strobe · Slow 3.5 Hz 245–255 Open 10
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 GY	255	
11	Color Add GY Fine	255	Fine byte of Color Add GY
12	C TC	0	0–4 Default (5600K) 5–63 2000K 64–103 3200K 104–152 4000K 153–181 5000K 182–201 5600K 202–225 6000K 226–254 6500K 255–255 10000K
13	Tint	128	1–127 Magenta->Neutral 128–128 Neutral 129–255 Neutral->Green
14	Color Macro1	0	
15	Color Macro1Rate	0	6–105 01s - 10s (01s steps) 106–214 11s - 119s (1s steps) 215–244 2m - 4m50s (10s steps) 245–255 5m - 15m (1m steps)

16CH Direct RAW (continued)

Ch	Function	Default	DMX values
16	Control1	0	30–34 Linear Dimmer Curve (3s) 35–39 Exponential Dimmer Curve (3s) 40–44 Logarithmic Dimmer Curve (3s) 45–49 S-Curve Dimmer Curve (3s) 50–54 LED Dimmer Response (1;5s) 55–94 Halogen Dimmer Response (1;5s) 95–99 800Hz LED Frequency (3s) 100–104 1200Hz LED Frequency (3s) 105–109 2000Hz LED Frequency (3s) 110–114 3600Hz LED Frequency (3s) 115–119 12kHz LED Frequency (3s) 120–129 25kHz LED Frequency (3s) 130–134 Fan Auto (3s) 135–139 Fan Silent (3s) 140–144 Fan Studio (3s) 145–149 Fan Off (3s) 150–159 Fan High Power (3s) 160–164 Redshift On (1;5s) 165–179 Redshift Off (1;5s) 180–184 Factory Reset (3s) 185–244 User Reset (3s) 245–255 Snapshot (3s)