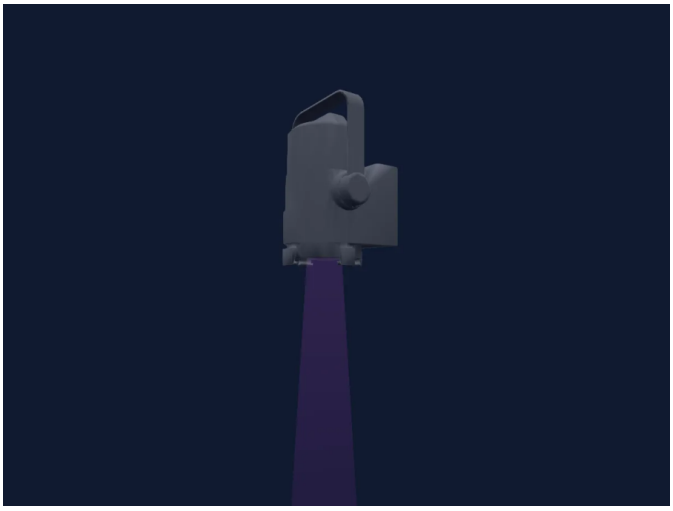
ROXX

Icon F6



Manufacturer	**ROXX**
Type	**PAR**
DMX modes	**11**
DMX footprint	**1, 4, 6, 7, 10, 12, 14, 18, 21 channels**
Beam angle	**9.2°**
Size (W × H × D)	**276 × 403 × 266 mm**
GDTF fixture type	**1F39D590-7FA0-4E61-80F5-DD…**

Controls

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

Safety-relevant functions

Fixture reset · Service functions

DMX modes

1CH Direct Mode	1 ch
4CH CCT Mode	4 ch
6CH HSI Mode	6 ch
6CH RGB Mode	6 ch
7CH CCT Mode	7 ch
10CH RGB Mode	10 ch
12CH Direct Mode	12 ch
12CH HSI Mode	12 ch
14CH Direct Mode	14 ch
18CH RGB Mode	18 ch
21CH Direct Mode	21 ch

1CH Direct Mode

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	

4CH CCT Mode

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	2	
4	Tint	128	0–0 NoFeature 1 1–127 Magenta --> Neutral 128–128 Neutral 129–255 Neutral --> Green

6CH HSI Mode

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	H SBHue	0	
4	H SBHue Fine	0	Fine byte of H SBHue
5	H SBSaturation	0	
6	H SBSaturation Fine	0	Fine byte of H SBSaturation

6CH RGB Mode

6 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue

7CH CCT Mode

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	2	
4	Tint	128	0–0 NoFeature 1 1–127 Magenta --> Neutral 128–128 Neutral 129–255 Neutral --> Green
5	Dimmer Curve	0	0–51 Default 52–101 Linear Dimmer Curve 102–152 Exponential Dimmer Curve 153–203 Logarithmic Dimmer Curve 204–255 S-Curve Dimmer Curve

7CH CCT Mode (continued)

Ch	Function	Default	DMX values
6	Dimmer Mode	0	0–84 No Function 85–170 LED / fast 171–255 Halogen / slow
7	Redshift	0	0–84 Default 85–170 Redshift OFF 171–255 Redshift ON

10CH RGB Mode

10 channels

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

10CH RGB Mode (continued)

Ch	Function	Default	DMX values
9	Color Macro XFade	3	0–5 No Function 6–104 1/10s 105–105 10s 106–213 11s 214–214 119s 215–243 2m 244–244 4m50s 245–254 5m 255–255 15m
10	Control1	3	0–5 No Function 6–6 Display Backlight On 7–7 Display Backlight Off 8–8 Display Lock On 9–9 Display Lock Off 10–14 No Function 15–15 DMX Fail Blackout 16–16 DMX Fail Hold 17–17 DMX Fail Emergency Light 18–22 No Function 23–23 Linear Dimmer Curve 24–24 Exponential DImmer Curve 25–25 Logarithimic Dimmer Curve 26–26 S-Curve DImmer Curve 27–31 No Function 32–32 Fast Dimmer Response (LED) 33–33 Reserved / No Function 34–34 Slow Dimmer Response (Halogen) 35–39 No Function 40–40 Calibration - High CRI (Colors + CCT) 41–41 Calibration - Normal CRI (Colors + CCT) 42–46 No Function 47–47 LED Frequency 800Hz 48–48 LED Frequency 1200Hz 49–49 LED Frequency 2000Hz 50–50 LED Frequency 3600Hz 51–51 LED Frequency 12kHz 52–52 LED Frequency 25kHz 53–57 No Function 58–58 Fan Auto 1 59–59 Fan Auto 2 60–60 Fan Silent 61–61 Fan Studio 62–62 Fan Off 63–63 Fan High Power 64–68 No Function 69–69 Redshift On 70–70 Redshift Off 71–244 No Function 245–245 Snapshot 246–248 No Function 249–249 User Reset 250–250 Factory Reset 251–255 No Function

12CH Direct Mode

12 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	

12CH Direct Mode (continued)

Ch	Function	Default	DMX values
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	Color Add RY	255	
8	Color Add RY Fine	255	Fine byte of Color Add RY
9	Color Add GY	255	
10	Color Add GY Fine	255	Fine byte of Color Add GY
11	Color Add C	255	
12	Color Add C Fine	255	Fine byte of Color Add C

12CH HSI Mode

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	22	0–19 Shutter Close 20–24 Shutter Open 25–63 Fast Strobe 64–64 Slow Strobe 65–69 Open 70–83 Fast Pulse 84–84 Slow Pulse 85–89 Open 90–103 Fast Pulse 104–104 Slow Pulse 105–109 Open 110–123 Fast Strobe 124–124 Slow Strobe 125–129 Open 130–143 Fast Pulse 144–144 Slow Pulse 145–149 Open 150–163 Fast Pulse 164–164 Slow Pulse 165–169 Open 170–183 Fast Pulse 184–184 Slow Pulse 185–189 Open 190–203 Fast Pulse 204–204 Slow Pulse 205–209 Open 210–223 Fast Sin Wave 224–224 Slow Sin Wave 225–229 Open 230–243 Fast Burst 244–244 Slow Burst 245–255 Open
4	H SBHue	0	
5	H SBHue Fine	0	Fine byte of H SBHue
6	H SBSaturation	0	
7	H SBSaturation Fine	0	Fine byte of H SBSaturation
8	C TC	2	

12CH HSI Mode (continued)

Ch	Function	Default	DMX values
9	Tint	128	0–0 NoFeature 1 1–127 Magenta --> Neutral 128–128 Neutral 129–255 Neutral --> Green
10	Color Macro1	2	
11	Color Macro XFade	3	0–5 No Function 6–104 1/10s 105–105 10s 106–213 11s 214–214 119s 215–243 2m 244–244 4m50s 245–254 5m 255–255 15m
12	Control1	3	0–5 No Function 6–6 Display Backlight On 7–7 Display Backlight Off 8–8 Display Lock On 9–9 Display Lock Off 10–14 No Function 15–15 DMX Fail Blackout 16–16 DMX Fail Hold 17–17 DMX Fail Emergency Light 18–22 No Function 23–23 Linear Dimmer Curve 24–24 Exponential DImmer Curve 25–25 Logarithimic Dimmer Curve 26–26 S-Curve DImmer Curve 27–31 No Function 32–32 Fast Dimmer Response (LED) 33–33 Reserved / No Function 34–34 Slow Dimmer Response (Halogen) 35–39 No Function 40–40 Calibration - High CRI (Colors + CCT) 41–41 Calibration - Normal CRI (Colors + CCT) 42–46 No Function 47–47 LED Frequency 800Hz 48–48 LED Frequency 1200Hz 49–49 LED Frequency 2000Hz 50–50 LED Frequency 3600Hz 51–51 LED Frequency 12kHz 52–52 LED Frequency 25kHz 53–57 No Function 58–58 Fan Auto 1 59–59 Fan Auto 2 60–60 Fan Silent 61–61 Fan Studio 62–62 Fan Off 63–63 Fan High Power 64–68 No Function 69–69 Redshift On 70–70 Redshift Off 71–244 No Function 245–245 Snapshot 246–248 No Function 249–249 User Reset 250–250 Factory Reset 251–255 No Function

14CH Direct Mode

14 channels

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

14CH Direct Mode (continued)

Ch	Function	Default	DMX values
14	Control1	3	0–5 No Function 6–6 Display Backlight On 7–7 Display Backlight Off 8–8 Display Lock On 9–9 Display Lock Off 10–14 No Function 15–15 DMX Fail Blackout 16–16 DMX Fail Hold 17–17 DMX Fail Emergency Light 18–22 No Function 23–23 Linear Dimmer Curve 24–24 Exponential DImmer Curve 25–25 Logarithimic Dimmer Curve 26–26 S-Curve DImmer Curve 27–31 No Function 32–32 Fast Dimmer Response (LED) 33–33 Reserved / No Function 34–34 Slow Dimmer Response (Halogen) 35–39 No Function 40–40 RAW Mode 41–41 User Calibration 42–46 No Function 47–47 LED Frequency 800Hz 48–48 LED Frequency 1200Hz 49–49 LED Frequency 2000Hz 50–50 LED Frequency 3600Hz 51–51 LED Frequency 12kHz 52–52 LED Frequency 25kHz 53–57 No Function 58–58 Fan Auto 1 59–59 Fan Auto 2 60–60 Fan Silent 61–61 Fan Studio 62–62 Fan Off 63–63 Fan High Power 64–68 No Function 69–69 Redshift On 70–70 Redshift Off 71–244 No Function 245–245 Snapshot 246–248 No Function 249–249 User Reset 250–250 Factory Reset 251–255 No Function

18CH RGB Mode

18 channels

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

18CH RGB Mode (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	22	0–19 Shutter Close 20–24 Shutter Open 25–63 Fast Strobe 64–64 Slow Strobe 65–69 Open 70–83 Fast Pulse 84–84 Slow Pulse 85–89 Open 90–103 Fast Pulse 104–104 Slow Pulse 105–109 Open 110–123 Fast Strobe 124–124 Slow Strobe 125–129 Open 130–143 Fast Pulse 144–144 Slow Pulse 145–149 Open 150–163 Fast Pulse 164–164 Slow Pulse 165–169 Open 170–183 Fast Pulse 184–184 Slow Pulse 185–189 Open 190–203 Fast Pulse 204–204 Slow Pulse 205–209 Open 210–223 Fast Sin Wave 224–224 Slow Sin Wave 225–229 Open 230–243 Fast Burst 244–244 Slow Burst 245–255 Open
4	Strobe Duration	0	
5	Red	255	
6	Red Fine	255	Fine byte of Red
7	Green	255	
8	Green Fine	255	Fine byte of Green
9	Blue	255	
10	Blue Fine	255	Fine byte of Blue
11	C TC	2	
12	Tint	128	0–0 NoFeature 1 1–127 Magenta --> Neutral 128–128 Neutral 129–255 Neutral --> Green
13	Dimmer Curve	0	0–51 Default 52–101 Linear Dimmer Curve 102–152 Exponential Dimmer Curve 153–203 Logarithmic Dimmer Curve 204–255 S-Curve Dimmer Curve
14	Dimmer Mode	0	0–84 Default 85–170 LED / fast 171–255 Halogen / slow
15	Redshift	0	0–84 Default 85–170 Redshift OFF 171–255 Redshift ON
16	Color Macro1	2	

18CH RGB Mode (continued)

Ch	Function	Default	DMX values
17	Color Macro XFade	3	0–5 No Function 6–104 1/10s 105–105 10s 106–213 11s 214–214 119s 215–243 2m 244–244 4m50s 245–254 5m 255–255 15m
18	Control1	3	0–5 No Function 6–6 Display Backlight On 7–7 Display Backlight Off 8–8 Display Lock On 9–9 Display Lock Off 10–14 No Function 15–15 DMX Fail Blackout 16–16 DMX Fail Hold 17–17 DMX Fail Emergency Light 18–22 No Function 23–23 Linear Dimmer Curve 24–24 Exponential DImmer Curve 25–25 Logarithimic Dimmer Curve 26–26 S-Curve DImmer Curve 27–31 No Function 32–32 Fast Dimmer Response (LED) 33–33 Reserved / No Function 34–34 Slow Dimmer Response (Halogen) 35–39 No Function 40–40 Calibration - High CRI (Colors + CCT) 41–41 Calibration - Normal CRI (Colors + CCT) 42–46 No Function 47–47 LED Frequency 800Hz 48–48 LED Frequency 1200Hz 49–49 LED Frequency 2000Hz 50–50 LED Frequency 3600Hz 51–51 LED Frequency 12kHz 52–52 LED Frequency 25kHz 53–57 No Function 58–58 Fan Auto 1 59–59 Fan Auto 2 60–60 Fan Silent 61–61 Fan Studio 62–62 Fan Off 63–63 Fan High Power 64–68 No Function 69–69 Redshift On 70–70 Redshift Off 71–244 No Function 245–245 Snapshot 246–248 No Function 249–249 User Reset 250–250 Factory Reset 251–255 No Function

21CH Direct Mode

21 channels

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

21CH Direct Mode (continued)

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

21CH Direct Mode (continued)

Ch	Function	Default	DMX values
20	Color Macro XFade	3	0–5 No Function 6–104 1/10s 105–105 10s 106–213 11s 214–214 119s 215–243 2m 244–244 4m50s 245–254 5m 255–255 15m
21	Control1	3	0–5 No Function 6–6 Display Backlight On 7–7 Display Backlight Off 8–8 Display Lock On 9–9 Display Lock Off 10–14 No Function 15–15 DMX Fail Blackout 16–16 DMX Fail Hold 17–17 DMX Fail Emergency Light 18–22 No Function 23–23 Linear Dimmer Curve 24–24 Exponential DImmer Curve 25–25 Logarithimic Dimmer Curve 26–26 S-Curve DImmer Curve 27–31 No Function 32–32 Fast Dimmer Response (LED) 33–33 Reserved / No Function 34–34 Slow Dimmer Response (Halogen) 35–39 No Function 40–40 RAW Mode 41–41 User Calibration 42–46 No Function 47–47 LED Frequency 800Hz 48–48 LED Frequency 1200Hz 49–49 LED Frequency 2000Hz 50–50 LED Frequency 3600Hz 51–51 LED Frequency 12kHz 52–52 LED Frequency 25kHz 53–57 No Function 58–58 Fan Auto 1 59–59 Fan Auto 2 60–60 Fan Silent 61–61 Fan Studio 62–62 Fan Off 63–63 Fan High Power 64–68 No Function 69–69 Redshift On 70–70 Redshift Off 71–244 No Function 245–245 Snapshot 246–248 No Function 249–249 User Reset 250–250 Factory Reset 251–255 No Function