ROXX

Neo



Manufacturer	**ROXX**
Type	**PAR**
DMX modes	**16**
DMX footprint	**3, 4, 6, 8, 9, 16, 17, 19, 21, 23, 26, 28, 29, 44 channels**
Beam angle	**9.1°**
Size (W × H × D)	**545 × 285 × 218 mm**
GDTF fixture type	**AC118872-3833-4B1A-8B90-E0…**

Controls

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

DMX modes

3CH CCT Mode	3 ch
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3CH CCT Mode

3 channels

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

3CH RGB Mode

3 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	

4CH Direct Mode

4 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Color Add GY	255	

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

8CH Direct Mode

8 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
7	Color Add GY	255	
8	Color Add GY Fine	255	Fine byte of Color Add GY

8CH RGB Mode

8 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	Control1	3	

9CH Direct Mode

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	

9CH Direct Mode (continued)

Ch	Function	Default	DMX values
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	Color Add GY	255	
7	C TC	2	
8	Tint	128	0–0 NoFeature 1 1–127 Magenta --> Neutral 128–128 Neutral 129–255 Neutral --> Green
9	Control1	3	

16CH Pure Mode

16 channels

Ch	Function	Default	DMX values
1	Dimmer	0	

16CH Pure Mode (continued)

Ch	Function	Default	DMX values
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	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Control1	3	

17CH HSI Mode

17 channels

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

17CH HSI 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	H SBHue	0	
5	H SBSaturation	0	
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	3	
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	Pattern Dimmer	255	
11	Pattern Selection	0	
12	Pattern Selection XFade	0	
13	Pattern Speed	0	0–5 Stop 6–123 Fast Left to Right 124–124 Slow Left to Right 125–130 Stop Left to Right 131–248 Slow Right to Left 249–249 Fast Right to Left 250–255 Stop Right to Left

17CH HSI Mode (continued)

Ch	Function	Default	DMX values
14	Pattern XFade	3	0–5 Snap from Cell to Cell 6–254 Short Fade 255–255 Long Fade
15	Pattern Hue	0	
16	Pattern Saturation	0	
17	Control1	3	

19CH RGB Mode

19 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	C TC	2	
8	Tint	128	0–0 NoFeature 1 1–127 Magenta --> Neutral 128–128 Neutral 129–255 Neutral --> Green
9	Color Macro1	3	

19CH RGB Mode (continued)

Ch	Function	Default	DMX values
10	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
11	Pattern Dimmer	255	
12	Pattern Selection	0	
13	Pattern Selection XFade	0	
14	Pattern Speed	0	0–5 Stop 6–123 Fast Left to Right 124–124 Slow Left to Right 125–130 Stop Left to Right 131–248 Slow Right to Left 249–249 Fast Right to Left 250–255 Stop Right to Left
15	Pattern XFade	3	0–5 Snap from Cell to Cell 6–254 Short Fade 255–255 Long Fade
16	Pattern Color R	255	
17	Pattern Color G	255	
18	Pattern Color B	255	
19	Control1	3	

21CH Direct Mode

21 channels

Ch	Function	Default	DMX values
1	Dimmer	0	

21CH Direct Mode (continued)

Ch	Function	Default	DMX values
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 GY	255	
8	C TC	2	
9	Tint	128	0–0 NoFeature 1 1–127 Magenta --> Neutral 128–128 Neutral 129–255 Neutral --> Green
10	Color Macro1	3	
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	Pattern Dimmer	255	
13	Pattern Selection	0	
14	Pattern Selection XFade	0	

21CH Direct Mode (continued)

Ch	Function	Default	DMX values
15	Pattern Speed	0	0–5 Stop 6–123 Fast Left to Right 124–124 Slow Left to Right 125–130 Stop Left to Right 131–248 Slow Right to Left 249–249 Fast Right to Left 250–255 Stop Right to Left
16	Pattern XFade	3	0–5 Snap from Cell to Cell 6–254 Short Fade 255–255 Long Fade
17	Pattern Color R	255	
18	Pattern Color G	255	
19	Pattern Color B	255	
20	Pattern Color L	255	
21	Control1	3	

23CH RGB Mode

23 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	Strobe Duration	0	
5	Red	255	
6	Red Fine	255	Fine byte of Red
7	Green	255	

23CH RGB Mode (continued)

Ch	Function	Default	DMX values
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	Color Macro1	3	
14	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
15	Pattern Dimmer	255	
16	Pattern Selection	0	
17	Pattern Selection XFade	0	
18	Pattern Speed	0	0–5 Stop 6–123 Fast Left to Right 124–124 Slow Left to Right 125–130 Stop Left to Right 131–248 Slow Right to Left 249–249 Fast Right to Left 250–255 Stop Right to Left
19	Pattern XFade	3	0–5 Snap from Cell to Cell 6–254 Short Fade 255–255 Long Fade
20	Pattern Color R	255	
21	Pattern Color G	255	
22	Pattern Color B	255	
23	Control1	3	

26CH Direct Mode

26 channels

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

26CH 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 GY	255	
12	Color Add GY Fine	255	Fine byte of Color Add GY
13	C TC	2	
14	Tint	128	0–0 NoFeature 1 1–127 Magenta --> Neutral 128–128 Neutral 129–255 Neutral --> Green
15	Color Macro1	3	
16	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
17	Pattern Dimmer	255	

26CH Direct Mode (continued)

Ch	Function	Default	DMX values
18	Pattern Selection	0	
19	Pattern Selection XFade	0	
20	Pattern Speed	0	0–5 Stop 6–123 Fast Left to Right 124–124 Slow Left to Right 125–130 Stop Left to Right 131–248 Slow Right to Left 249–249 Fast Right to Left 250–255 Stop Right to Left
21	Pattern XFade	3	0–5 Snap from Cell to Cell 6–254 Short Fade 255–255 Long Fade
22	Pattern Color R	255	
23	Pattern Color G	255	
24	Pattern Color B	255	
25	Pattern Color L	255	
26	Control1	3	

28CH Full Access Mode

28 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	Pattern Dimmer	255	
5	Pattern Selection	0	

28CH Full Access Mode (continued)

Ch	Function	Default	DMX values
6	Pattern Selection XFade	0	
7	Pattern Speed	0	0–5 Stop 6–123 Fast Left to Right 124–124 Slow Left to Right 125–130 Stop Left to Right 131–248 Slow Right to Left 249–249 Fast Right to Left 250–255 Stop Right to Left
8	Pattern XFade	3	0–5 Snap from Cell to Cell 6–254 Short Fade 255–255 Long Fade
9	Pattern Color R	255	
10	Pattern Color G	255	
11	Pattern Color B	255	
12	C TC	2	
13	Tint	128	0–0 NoFeature 1 1–127 Magenta --> Neutral 128–128 Neutral 129–255 Neutral --> Green
14	Color Macro1	3	
15	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
16	Red	255	
17	Green	255	
18	Blue	255	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Control1	3	

29CH Pure Mode

29 channels

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

29CH Pure 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	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	

29CH Pure Mode (continued)

Ch	Function	Default	DMX values
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Control1	3	

44CH Full Access

44 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	Strobe Duration	0	
5	Pattern Dimmer	255	
6	Pattern Selection	0	
7	Pattern Selection XFade	0	
8	Pattern Speed	0	0–5 Stop 6–123 Fast Left to Right 124–124 Slow Left to Right 125–130 Stop Left to Right 131–248 Slow Right to Left 249–249 Fast Right to Left 250–255 Stop Right to Left
9	Pattern XFade	3	0–5 Snap from Cell to Cell 6–254 Short Fade 255–255 Long Fade
10	Pattern Color R	255	

44CH Full Access (continued)

Ch	Function	Default	DMX values
11	Pattern Color R Fine	255	Fine byte of Pattern Color R
12	Pattern Color G	255	
13	Pattern Color G Fine	255	Fine byte of Pattern Color G
14	Pattern Color B	255	
15	Pattern Color B Fine	255	Fine byte of Pattern Color B
16	C TC	2	
17	Tint	128	0–0 NoFeature 1 1–127 Magenta --> Neutral 128–128 Neutral 129–255 Neutral --> Green
18	Color Macro1	3	
19	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
20	Red	255	
21	Red Fine	255	Fine byte of Red
22	Green	255	
23	Green Fine	255	Fine byte of Green
24	Blue	255	
25	Blue Fine	255	Fine byte of Blue
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Control1	3	