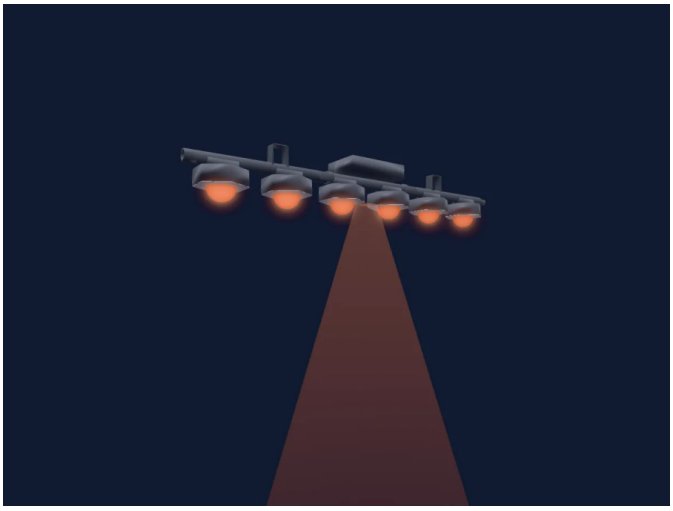
Portman Lights

P2 EVO



Manufacturer	**Portman Lights**
Type	**PAR**
DMX modes	**6**
DMX footprint	**12, 18, 37, 38, 67, 69 channels**
Beam angle	**25-45°**
Heads / cells	**7**
Size (W × H × D)	**204 × 190 × 1687 mm**
GDTF fixture type	**51820947-500F-4B38-AAC4-0C…**

Controls

Extra LED colours · RGB colour mixing · Colour wheel · Strobe · Dimmer · Pixel control

Safety-relevant functions

Strobe

DMX modes

Super Simple	12 ch
Simple	18 ch
Pixel	37 ch
Standard	38 ch
Pixel Fine	67 ch
Standard Fine	69 ch

Super Simple

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer	0	
3	Dimmer	0	
4	Dimmer	0	
5	Dimmer	0	
6	Dimmer	0	
7	Red	0	
8	Green	0	
9	Blue	0	
10	White	0	
11	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–121 Strobe 122–129 Strobe Open 130–245 Random Strobe 246–255 Strobe Open
12	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–121 Strobe 122–129 Shautter Open 130–245 Random Strobe 246–255 Shutter open

Simple

18 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer	0	
3	Dimmer	0	
4	Dimmer	0	
5	Dimmer	0	
6	Dimmer	0	
7	Dimmer	0	
8	Red	0	
9	Green	0	
10	Blue	0	
11	White	0	
12	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–121 Strobe 122–129 Shutter Open 130–245 Random Strobe 246–255 Shutter Open
13	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)

Simple (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–9 Open (wheel slot 1) 10–39 White (wheel slot 2) 40–55 Red (wheel slot 3) 56–71 Orange (wheel slot 4) 72–87 Yellow (wheel slot 5) 88–103 Spring Green (wheel slot 6) 104–121 Green (wheel slot 7) 122–140 Sea Green (wheel slot 8) 141–156 Cyan (wheel slot 9) 157–172 Azzure (wheel slot 10) 173–188 Blue (wheel slot 11) 189–204 Violet (wheel slot 12) 205–220 Magenta (wheel slot 13) 221–236 Pink (wheel slot 14) 237–237 Red 1 (wheel slot 15) 238–254 Color Spin (wheel slot 16) 255–255 Open 1 (wheel slot 17)
15	Intensity Macro	0	
16	Macro Select	0	
17	Macro Speed	0	
18	Control1	0	0–30 No Function (wheel slot 1) 31–40 Flicker Mode 1 (wheel slot 2) 41–50 Flicker Mode 2 (wheel slot 3) 51–60 Flicker Mode 3 (wheel slot 4) 61–70 Dimming Curve Linear (wheel slot 5) 71–80 Dimming Curve Logarithmic (wheel slot 6) 81–245 Reserved (wheel slot 7) 246–255 Default Values (wheel slot 8)

Pixel

37 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Red	0	
3	Green	0	
4	Blue	0	
5	White	0	
6	Dimmer	0	
7	Red	0	
8	Green	0	
9	Blue	0	
10	White	0	
11	Dimmer	0	
12	Red	0	
13	Green	0	
14	Blue	0	
15	White	0	
16	Dimmer	0	
17	Red	0	
18	Green	0	
19	Blue	0	
20	White	0	

Pixel (continued)

Ch	Function	Default	DMX values
21	Dimmer	0	
22	Red	0	
23	Green	0	
24	Blue	0	
25	White	0	
26	Dimmer	0	
27	Red	0	
28	Green	0	
29	Blue	0	
30	White	0	
31	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
32	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
33	Color Wheel	0	0–9 Open (wheel slot 1) 10–39 White (wheel slot 2) 40–54 Red (wheel slot 3) 55–71 Orange (wheel slot 4) 72–87 Yellow (wheel slot 5) 88–103 Spring Green (wheel slot 6) 104–121 Green (wheel slot 7) 122–140 Sea Green (wheel slot 8) 141–156 Cyan (wheel slot 9) 157–172 Azzure (wheel slot 10) 173–188 Blue (wheel slot 11) 189–204 Violet (wheel slot 12) 205–220 Magenta (wheel slot 13) 221–236 Pink (wheel slot 14) 237–237 Red 1 (wheel slot 15) 238–254 Color Spin (wheel slot 16) 255–255 Open 1 (wheel slot 17)
34	Intensity Macro	0	
35	Macro Select	0	
36	Macro Speed	0	
37	Control1	0	0–30 No Function (wheel slot 1) 31–40 Flicker Mode 1 (wheel slot 2) 41–50 Flicker Mode 2 (wheel slot 3) 51–60 Flicker Mode 3 (wheel slot 4) 61–70 Dimming Curve Linear (wheel slot 5) 71–80 Dimming Curve Logarithmic (wheel slot 6) 81–245 Reserved (wheel slot 7) 246–255 Default Values (wheel slot 8)

Standard

38 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer	0	
3	Dimmer	0	
4	Dimmer	0	
5	Dimmer	0	
6	Dimmer	0	
7	Dimmer	0	
8	Red	0	
9	Green	0	
10	Blue	0	
11	White	0	
12	Red	0	
13	Green	0	
14	Blue	0	
15	White	0	
16	Red	0	
17	Green	0	
18	Blue	0	
19	White	0	
20	Red	0	
21	Green	0	
22	Blue	0	
23	White	0	
24	Red	0	
25	Green	0	
26	Blue	0	
27	White	0	
28	Red	0	
29	Green	0	
30	Blue	0	
31	White	0	
32	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
33	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)

Standard (continued)

Ch	Function	Default	DMX values
34	Color Wheel	0	0–9 Open (wheel slot 1) 10–39 White (wheel slot 2) 40–54 Red (wheel slot 3) 55–71 Orange (wheel slot 4) 72–87 Yellow (wheel slot 5) 88–103 Spring Green (wheel slot 6) 104–121 Green (wheel slot 7) 122–140 Sea Green (wheel slot 8) 141–156 Cyan (wheel slot 9) 157–172 Azzure (wheel slot 10) 173–188 Blue (wheel slot 11) 189–204 Violet (wheel slot 12) 205–220 Magenta (wheel slot 13) 221–236 Pink (wheel slot 14) 237–237 Red 1 (wheel slot 15) 238–254 Color Spin (wheel slot 16) 255–255 Open 1 (wheel slot 17)
35	Intensity Macro	0	
36	Macro Select	0	
37	Macro Speed	0	
38	Control1	0	0–30 No Function (wheel slot 1) 31–40 Flicker Mode 1 (wheel slot 2) 41–50 Flicker Mode 2 (wheel slot 3) 51–60 Flicker Mode 3 (wheel slot 4) 61–70 Dimming Curve Linear (wheel slot 5) 71–80 Dimming Curve Logarithmic (wheel slot 6) 81–245 Reserved (wheel slot 7) 246–255 Default Values (wheel slot 8)

Pixel Fine

67 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	0	
4	Red Fine	0	Fine byte of Red
5	Green	0	
6	Green Fine	0	Fine byte of Green
7	Blue	0	
8	Blue Fine	0	Fine byte of Blue
9	White	0	
10	White Fine	0	Fine byte of White
11	Dimmer	0	
12	Dimmer Fine	0	Fine byte of Dimmer
13	Red	0	
14	Red Fine	0	Fine byte of Red
15	Green	0	
16	Green Fine	0	Fine byte of Green
17	Blue	0	
18	Blue Fine	0	Fine byte of Blue
19	White	0	
20	White Fine	0	Fine byte of White

Pixel Fine (continued)

Ch	Function	Default	DMX values
21	Dimmer	0	
22	Dimmer Fine	0	Fine byte of Dimmer
23	Red	0	
24	Red Fine	0	Fine byte of Red
25	Green	0	
26	Green Fine	0	Fine byte of Green
27	Blue	0	
28	Blue Fine	0	Fine byte of Blue
29	White	0	
30	White Fine	0	Fine byte of White
31	Dimmer	0	
32	Dimmer Fine	0	Fine byte of Dimmer
33	Red	0	
34	Red Fine	0	Fine byte of Red
35	Green	0	
36	Green Fine	0	Fine byte of Green
37	Blue	0	
38	Blue Fine	0	Fine byte of Blue
39	White	0	
40	White Fine	0	Fine byte of White
41	Dimmer	0	
42	Dimmer Fine	0	Fine byte of Dimmer
43	Red	0	
44	Red Fine	0	Fine byte of Red
45	Green	0	
46	Green Fine	0	Fine byte of Green
47	Blue	0	
48	Blue Fine	0	Fine byte of Blue
49	White	0	
50	White Fine	0	Fine byte of White
51	Dimmer	0	
52	Dimmer Fine	0	Fine byte of Dimmer
53	Red	0	
54	Red Fine	0	Fine byte of Red
55	Green	0	
56	Green Fine	0	Fine byte of Green
57	Blue	0	
58	Blue Fine	0	Fine byte of Blue
59	White	0	
60	White Fine	0	Fine byte of White
61	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)

Pixel Fine (continued)

Ch	Function	Default	DMX values
62	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
63	Color Wheel	0	0–9 Open (wheel slot 1) 10–39 White (wheel slot 2) 40–54 Red (wheel slot 3) 55–71 Orange (wheel slot 4) 72–87 Yellow (wheel slot 5) 88–103 Spring Green (wheel slot 6) 104–121 Green (wheel slot 7) 122–140 Sea Green (wheel slot 8) 141–156 Cyan (wheel slot 9) 157–172 Azzure (wheel slot 10) 173–188 Blue (wheel slot 11) 189–204 Violet (wheel slot 12) 205–220 Magenta (wheel slot 13) 221–236 Pink (wheel slot 14) 237–237 Red 1 (wheel slot 15) 238–254 Color Spin (wheel slot 16) 255–255 Open 1 (wheel slot 17)
64	Intensity Macro	0	
65	Macro Select	0	
66	Macro Speed	0	
67	Control1	0	

Standard Fine

69 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Dimmer	0	
4	Dimmer Fine	0	Fine byte of Dimmer
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer
7	Dimmer	0	
8	Dimmer Fine	0	Fine byte of Dimmer
9	Dimmer	0	
10	Dimmer Fine	0	Fine byte of Dimmer
11	Dimmer	0	
12	Dimmer Fine	0	Fine byte of Dimmer
13	Dimmer	0	
14	Dimmer Fine	0	Fine byte of Dimmer
15	Red	0	
16	Red Fine	0	Fine byte of Red
17	Green	0	
18	Green Fine	0	Fine byte of Green
19	Blue	0	
20	Blue Fine	0	Fine byte of Blue

Standard Fine (continued)

Ch	Function	Default	DMX values
21	White	0	
22	White Fine	0	Fine byte of White
23	Red	0	
24	Red Fine	0	Fine byte of Red
25	Green	0	
26	Green Fine	0	Fine byte of Green
27	Blue	0	
28	Blue Fine	0	Fine byte of Blue
29	White	0	
30	White Fine	0	Fine byte of White
31	Red	0	
32	Red Fine	0	Fine byte of Red
33	Green	0	
34	Green Fine	0	Fine byte of Green
35	Blue	0	
36	Blue Fine	0	Fine byte of Blue
37	White	0	
38	White Fine	0	Fine byte of White
39	Red	0	
40	Red Fine	0	Fine byte of Red
41	Green	0	
42	Green Fine	0	Fine byte of Green
43	Blue	0	
44	Blue Fine	0	Fine byte of Blue
45	White	0	
46	White Fine	0	Fine byte of White
47	Red	0	
48	Red Fine	0	Fine byte of Red
49	Green	0	
50	Green Fine	0	Fine byte of Green
51	Blue	0	
52	Blue Fine	0	Fine byte of Blue
53	White	0	
54	White Fine	0	Fine byte of White
55	Red	0	
56	Red Fine	0	Fine byte of Red
57	Green	0	
58	Green Fine	0	Fine byte of Green
59	Blue	0	
60	Blue Fine	0	Fine byte of Blue
61	White	0	
62	White Fine	0	Fine byte of White

Standard Fine (continued)

Ch	Function	Default	DMX values
63	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
64	Shutter / Strobe	0	0–9 Shutter Open (wheel slot 1) 10–19 Shutter Closed (wheel slot 2) 20–121 Strobe (wheel slot 3) 122–129 Shutter Open 1 (wheel slot 4) 130–245 Random Strobe (wheel slot 5) 246–255 Shutter Open 2 (wheel slot 6)
65	Color Wheel	0	0–9 Open (wheel slot 1) 10–39 White (wheel slot 2) 40–54 Red (wheel slot 3) 55–71 Orange (wheel slot 4) 72–87 Yellow (wheel slot 5) 88–103 Spring Green (wheel slot 6) 104–121 Green (wheel slot 7) 122–140 Sea Green (wheel slot 8) 141–156 Cyan (wheel slot 9) 157–172 Azzure (wheel slot 10) 173–188 Blue (wheel slot 11) 189–204 Violet (wheel slot 12) 205–220 Magenta (wheel slot 13) 221–236 Pink (wheel slot 14) 237–237 Red 1 (wheel slot 15) 238–254 Color Spin (wheel slot 16) 255–255 Open 1 (wheel slot 17)
66	Intensity Macro	0	
67	Macro Select	0	
68	Macro Speed	0	
69	Control1	0	