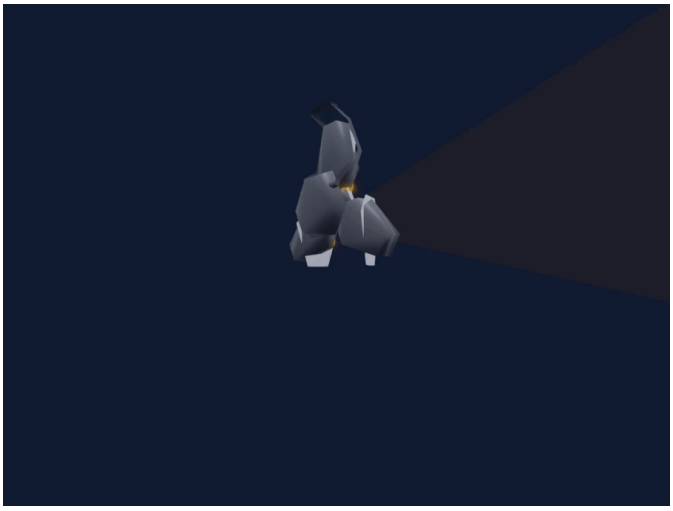
OGSON fixtures

Portman Mantis



Manufacturer	**OGSON fixtures**
Type	**PAR**
DMX modes	**6**
DMX footprint	**21, 28, 29, 43, 45 channels**
Beam angle	**25°**
Heads / cells	**3**
Size (W × H × D)	**645 × 600 × 160 mm**
GDTF fixture type	**064FEF87-BDB7-40B7-A369-AA…**

Controls

Colour wheel · Strobe · Dimmer · Pixel control

DMX modes

Simple	21 ch
Pixel	28 ch
Simple Fine	29 ch
Standard	29 ch
Pixel fine	43 ch
Standard Fine	45 ch

Simple

21 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Reserved 2	0	
3	Reserved 3	0	
4	Dimmer	0	0–254 Closed 255–255 Open
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	Shutter / Strobe	255	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
10	Shutter / Strobe	255	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
11	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)
12	Dimmer	0	0–254 Closed 255–255 Open
13	Red	255	
14	Green	255	
15	Blue	255	
16	White	0	

Simple (continued)

Ch	Function	Default	DMX values
17	Shutter / Strobe	255	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
18	Intensity Macro	0	
19	Macro Select	0	
20	Macro Speed	0	
21	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

28 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Red	255	
3	Green	255	
4	Blue	255	
5	White	0	
6	Reserved 6	0	
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	Shutter / Strobe	255	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open

Pixel (continued)

Ch	Function	Default	DMX values
17	Shutter / Strobe	255	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
18	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)
19	Dimmer	0	0–254 Closed 255–255 Open
20	Red	255	
21	Green	255	
22	Blue	255	
23	White	255	
24	Shutter / Strobe	255	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
25	Intensity Macro	0	
26	Macro Select	0	
27	Macro Speed	0	
28	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)

Simple Fine

29 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer

Simple Fine (continued)

Ch	Function	Default	DMX values
3	Reserved 3	0	
4	Reserved 4	0	
5	Reserved 5	0	
6	Reserved 6	0	
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	0	
16	White Fine	0	Fine byte of White
17	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
18	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
19	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)
20	Dimmer	0	0–254 Closed 255–255 Open
21	Red	255	
22	Green	255	
23	Blue	255	
24	White	255	

Simple Fine (continued)

Ch	Function	Default	DMX values
25	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
26	Intensity Macro	0	
27	Macro Select	0	
28	Macro Speed	0	
29	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

29 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Reserved 2	0	
3	Reserved 3	0	
4	Dimmer	255	0–254 Closed 255–255 Open
5	Red	0	
6	Green	255	
7	Blue	255	
8	White	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	Reserved 16	0	
17	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open

Standard (continued)

Ch	Function	Default	DMX values
18	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
19	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)
20	Dimmer	0	0–254 Closed 255–255 Open
21	Red	255	
22	Green	255	
23	Blue	255	
24	White	0	
25	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
26	Intensity Macro	0	
27	Macro Select	0	
28	Macro Speed	0	
29	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

43 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	

Pixel fine (continued)

Ch	Function	Default	DMX values
4	Red Fine	255	Fine byte of Red
5	Green	255	
6	Green Fine	255	Fine byte of Green
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue
9	White	0	
10	White Fine	0	Fine byte of White
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	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Shutter / Strobe	255	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
32	Shutter / Strobe	255	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open

Pixel fine (continued)

Ch	Function	Default	DMX values
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	Dimmer	0	0–254 Closed 255–255 Open
35	Red	255	
36	Green	255	
37	Blue	255	
38	White	255	
39	Shutter / Strobe	255	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
40	Intensity Macro	0	
41	Macro Select	0	
42	Macro Speed	0	
43	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 Fine

45 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Reserved 3	0	
4	Reserved 4	0	
5	Reserved 5	0	
6	Reserved 6	0	
7	Dimmer	255	0–254 Closed 255–255 Open

Standard Fine (continued)

Ch	Function	Default	DMX values
8	Dimmer Fine	255	Fine byte of Dimmer
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
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	Blue	255	
22	Blue Fine	255	Fine byte of Blue
23	White	0	
24	White Fine	0	Fine byte of White
25	Reserved 25	0	
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	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
34	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open

Standard Fine (continued)

Ch	Function	Default	DMX values
35	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)
36	Dimmer	0	0–254 Closed 255–255 Open
37	Red	255	
38	Green	255	
39	Blue	255	
40	White	0	
41	Shutter / Strobe	0	0–9 Shutter Open 10–19 Shutter Closed 20–120 Shutter1 2 strobe · Min 1–19.8 Hz 121–121 Shutter1 2 strobe · Max 20 Hz 122–129 Open 130–244 Shutter1StrobeRandom 4 · Min 1–19.8 Hz 245–245 Shutter1StrobeRandom 4 · Max 20 Hz 246–255 Open
42	Intensity Macro	0	
43	Macro Select	0	
44	Macro Speed	0	
45	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)