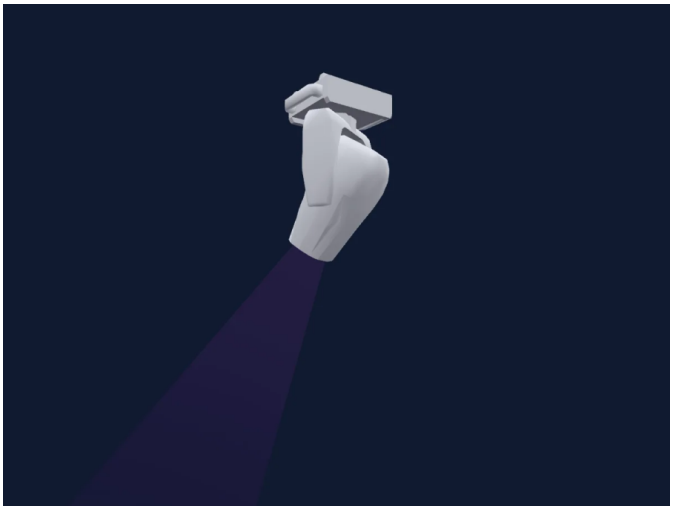
OGSON fixtures

Clay Paky Arolla Spot MP



Manufacturer	**OGSON fixtures**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**29, 31 channels**
Beam angle	**6.2-48.8°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**251 × 412 × 228 mm**
GDTF fixture type	**989FA037-1E07-4F8E-ACF4-2D…**

Controls

Focus · Frost · Iris · Prism · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Standard	29 ch
Extended	31 ch

Standard

29 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	C TO	0	0–254 Min CTO 255–255 Max CTO
5	Color1Mode	0	0–85 Full Color 86–170 Half Color 171–255 Linear Color
6	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 Open/Dark Red (wheel slot 2) 10–14 Dark Red (wheel slot 2) 15–19 Dark Red/Brillant Blue (wheel slot 3) 20–24 Brillant Blue (wheel slot 3) 25–29 Brillant Blue/Deep Green (wheel slot 4) 30–34 Deep Green (wheel slot 4) 35–39 Deep Green/Golden Amber (wheel slot 5) 40–44 Golden Amber (wheel slot 5) 45–49 Golden Amber/CRI-4 (wheel slot 6) 50–54 CRI-4 (wheel slot 6) 55–59 CRI-4/Dark Orange (wheel slot 7) 60–64 Dark Orange (wheel slot 7) 65–69 Dark Orange/Navy Blue (wheel slot 8) 70–74 Navy Blue (wheel slot 8) 75–79 Navy Blue /Open (wheel slot 1) 80–127 Sloe to Fast CW 128–255 Linear Color
7	Shutter / Strobe	255	0–3 Closed 4–102 LInear Strobe Slow to Fast · 1Hz 1–11.9 Hz 103–103 LInear Strobe Slow to Fast · 25Hz 12 Hz 104–107 Open 108–206 Linear Pulse Slow to Fast · Slow 1–8.92 Hz 207–207 Linear Pulse Slow to Fast · Fast 9 Hz 208–212 Open 213–238 Random Strobe low to Fast · Slow 1–8.24 Hz 239–251 Random Strobe low to Fast · Fast 8.53–12 Hz 252–255 Open
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Iris	255	0–127 Min to Max 128–131 Open 132–132 Pulse - Slow 133–170 Pulse Slow - Fast 171–171 Pulse - Fast 172–172 Pulse Open Slow 173–210 Pulse Open 211–211 Pulse open Fast 212–212 Pulse Close Slow 213–250 Pulse Close Slow to Fast 251–251 Pulse Close Fast 252–255 Open

Standard (continued)

Ch	Function	Default	DMX values
11	Gobo	0	0–8 OPEN (wheel slot 1) 9–17 GOBO 1 (wheel slot 2) 18–26 GOBO 2 (wheel slot 3) 27–35 GOBO 3 (wheel slot 4) 36–44 GOBO 4 (wheel slot 5) 45–53 GOBO 5 (wheel slot 6) 54–62 GOBO 6 (wheel slot 7) 63–71 GOBO 7 (wheel slot 8) 72–113 >>> 114–158 Stop 159–159 <<< 160–175 GOBO 2-1 Shake (wheel slot 2) 176–191 GOBO 2-2 Shake (wheel slot 3) 192–207 GOBO 2-3 Shake (wheel slot 4) 208–223 GOBO 2-4 Shake (wheel slot 5) 224–239 GOBO 2-5 Shake (wheel slot 6) 240–255 GOBO 2-6 Shake (wheel slot 7)
12	Gobo Rotation	0	0–20 0 21–41 90 42–62 180 63–83 270 84–104 360 105–126 450 127–127 540 128–139 x5 Rot G>> 140–152 x4 Rot G1>> 153–164 x3 Rot G1>> 165–177 x2 Rot G1>> 178–190 x1 Rot G1>> 191–192 Rot G1> 193–204 x1 Rot G1< 205–217 x2 Rot G1<< 218–229 x3 Rot G1<< 230–242 x4 Rot G<< 243–255 x5 Rot G1<<
13	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
14	Gobo 2	0	0–8 Open (wheel slot 1) 9–17 GOBO 1 (wheel slot 2) 18–26 GOBO 2 (wheel slot 3) 27–35 GOBO 3 (wheel slot 4) 36–44 GOBO 4 (wheel slot 5) 45–53 GOBO 5 (wheel slot 6) 54–62 GOBO 6 (wheel slot 7) 63–71 GOBO 7 (wheel slot 8) 72–92 <<< 93–112 << 113–113 < 114–117 Stop 118–138 > 139–158 >> 159–159 >>> 160–173 Wheel Slot 2 (wheel slot 2) 174–187 Wheel Slot 3 (wheel slot 3) 188–200 Wheel Slot 4 (wheel slot 4) 201–214 Wheel Slot 5 (wheel slot 5) 215–227 Wheel Slot 6 (wheel slot 6) 228–241 Wheel Slot 7 (wheel slot 7) 242–255 Wheel Slot 1 (wheel slot 8)

Standard (continued)

Ch	Function	Default	DMX values
15	Gobo Rotation 2	0	0–20 0 21–41 90 42–62 180 63–83 270 84–104 360 105–126 450 127–127 540 128–139 x5 Rot G2>> 140–152 x4 Rot G2>> 153–164 x3 Rot G2>> 165–177 x2 Rot G2>> 178–190 x1 Rot G2>> 191–192 Rot G2>< 193–204 x1 Rot G2<< 205–217 x2 Rot G2<< 218–229 x3 Rot G2<< 230–242 x4 Rot G2<< 243–255 x5 Rot G2<<
16	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
17	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism 4 Facet (wheel slot 2)
18	Prism Rotation	0	0–21 CW 0 TO 90 22–42 CW 90 to 180 43–63 CW 180 to 270 64–84 CW 270 to 360 85–105 CW 360 to 450 106–127 CW 450 to 540 128–190 CW 191–254 Home 255–255 CCW
19	Animation Wheel1	0	0–254 Open (wheel slot 1) 255–255 Animation In (wheel slot 2)
20	Animation Wheel1Pos Rotate	255	0–4 Stop (wheel slot 2) 5–127 >>> (wheel slot 2) 128–131 Stop (wheel slot 2) 132–255 <<< (wheel slot 2)
21	Frost1	0	0–254 Open (wheel slot 1) 255–255 Frost (wheel slot 2)
22	Focus	0	
23	Zoom	128	
24	Pan	128	
25	Pan Fine	0	Fine byte of Pan
26	Tilt	128	
27	Tilt Fine	0	Fine byte of Tilt
28	Fixture Global Reset	0	0–25 Unused Range 26–76 Effect Reset 77–127 Pan / Tilt Reset 128–255 Fixture Reset

Standard (continued)

Ch	Function	Default	DMX values
29	Function	0	0–20 Unused Range 21–30 P/T Smooth OFF 31–40 P/T Smooth ON 41–50 Dimmer Curve 1 51–60 Dimmer Curve 2 61–70 Dimmer Curve 3 71–80 Dimmer Curve 4 81–90 Auto 91–95 SLN 96–100 Theatre 101–105 RNR 106–110 Standard 111–120 Pan/Tilt Slow speed 121–130 Pan/Tilt Med speed 131–140 Pan/Tilt Fast speed 141–150 CMY Normal speed 151–160 CMY Fast speed 161–170 Display OFF 171–180 Display ON 181–190 PWM Frequency 600Hz 191–200 PWM Frequency 1200Hz 201–210 PWM Frequency 2000Hz 211–220 PWM Frequency 4000Hz 221–230 PWM Frequency 6000Hz 231–240 PWM Frequency 20000Hz 241–250 P/T Follow Spot 251–255 Unused Range

Extended

31 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	C TO	0	0–254 Min CTO 255–255 Max CTO
5	Color1Mode	0	0–85 Full Color 86–170 Half Color 171–255 Linear Color
6	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 Open/Dark Red (wheel slot 2) 10–14 Dark Red (wheel slot 2) 15–19 Dark Red/Brillant Blue (wheel slot 3) 20–24 Brillant Blue (wheel slot 3) 25–29 Brillant Blue/Deep Green (wheel slot 4) 30–34 Deep Green (wheel slot 4) 35–39 Deep Green/Golden Amber (wheel slot 5) 40–44 Golden Amber (wheel slot 5) 45–49 Golden Amber/CRI-4 (wheel slot 6) 50–54 CRI-4 (wheel slot 6) 55–59 CRI-4/Dark Orange (wheel slot 7) 60–64 Dark Orange (wheel slot 7) 65–69 Dark Orange/Navy Blue (wheel slot 8) 70–74 Navy Blue (wheel slot 8) 75–79 Navy Blue /Open (wheel slot 1) 80–127 Sloe to Fast CW 128–255 Linear Color

Extended (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	255	0–3 Closed 4–102 LInear Strobe Slow to Fast · 1Hz 1–11.9 Hz 103–103 LInear Strobe Slow to Fast · 25Hz 12 Hz 104–107 Open 108–206 Linear Pulse Slow to Fast · Slow 1–8.92 Hz 207–207 Linear Pulse Slow to Fast · Fast 9 Hz 208–212 Open 213–238 Random Strobe low to Fast · Slow 1–8.24 Hz 239–251 Random Strobe low to Fast · Fast 8.53–12 Hz 252–255 Open
8	Dimmer	0	0–254 Close 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Iris	255	0–127 Min to Max 128–131 Open 132–132 Pulse - Slow 133–170 Pulse Slow - Fast 171–171 Pulse - Fast 172–172 Pulse Open Slow 173–210 Pulse Open 211–211 Pulse open Fast 212–212 Pulse Close Slow 213–250 Pulse Close Slow to Fast 251–251 Pulse Close Fast 252–255 Open
11	Gobo	0	0–8 OPEN (wheel slot 1) 9–17 GOBO 1 (wheel slot 2) 18–26 GOBO 2 (wheel slot 3) 27–35 GOBO 3 (wheel slot 4) 36–44 GOBO 4 (wheel slot 5) 45–53 GOBO 5 (wheel slot 6) 54–62 GOBO 6 (wheel slot 7) 63–71 GOBO 7 (wheel slot 8) 72–113 >>> 114–158 Stop 159–159 << 160–175 GOBO 2-1 Shake (wheel slot 2) 176–191 GOBO 2-2 Shake (wheel slot 3) 192–207 GOBO 2-3 Shake (wheel slot 4) 208–223 GOBO 2-4 Shake (wheel slot 5) 224–239 GOBO 2-5 Shake (wheel slot 6) 240–255 GOBO 2-6 Shake (wheel slot 7)
12	Gobo Rotation	0	0–20 0 21–41 90 42–62 180 63–83 270 84–104 360 105–126 450 127–127 540 128–139 x5 Rot G>> 140–152 x4 Rot G1>> 153–164 x3 Rot G1>> 165–177 x2 Rot G1>> 178–190 x1 Rot G1>> 191–192 Rot G1> 193–204 x1 Rot G1<< 205–217 x2 Rot G1<< 218–229 x3 Rot G1<< 230–242 x4 Rot G<< 243–255 x5 Rot G1<<
13	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended (continued)

Ch	Function	Default	DMX values
14	Gobo 2	0	0–8 Open (wheel slot 1) 9–17 GOBO 1 (wheel slot 2) 18–26 GOBO 2 (wheel slot 3) 27–35 GOBO 3 (wheel slot 4) 36–44 GOBO 4 (wheel slot 5) 45–53 GOBO 5 (wheel slot 6) 54–62 GOBO 6 (wheel slot 7) 63–71 GOBO 7 (wheel slot 8) 72–92 <<< 93–112 << 113–113 < 114–117 Stop 118–138 > 139–158 >> 159–159 >>> 160–173 Wheel Slot 2 (wheel slot 2) 174–187 Wheel Slot 3 (wheel slot 3) 188–200 Wheel Slot 4 (wheel slot 4) 201–214 Wheel Slot 5 (wheel slot 5) 215–227 Wheel Slot 6 (wheel slot 6) 228–241 Wheel Slot 7 (wheel slot 7) 242–255 Wheel Slot 1 (wheel slot 8)
15	Gobo Rotation 2	0	0–20 0 21–41 90 42–62 180 63–83 270 84–104 360 105–126 450 127–127 540 128–139 x5 Rot G2>> 140–152 x4 Rot G2>> 153–164 x3 Rot G2>> 165–177 x2 Rot G2>> 178–190 x1 Rot G2>> 191–192 Rot G2>< 193–204 x1 Rot G2<< 205–217 x2 Rot G2<< 218–229 x3 Rot G2<< 230–242 x4 Rot G2<< 243–255 x5 Rot G2<<
16	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
17	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism 4 Facet (wheel slot 2)
18	Prism Rotation	0	0–21 CW 0 TO 90 22–42 CW 90 to 180 43–63 CW 180 to 270 64–84 CW 270 to 360 85–105 CW 360 to 450 106–127 CW 450 to 540 128–190 CW 191–254 Home 255–255 CCW
19	Animation Wheel1	0	0–254 Open (wheel slot 1) 255–255 Animation In (wheel slot 2)
20	Animation Wheel1Pos Rotate	255	0–4 Stop (wheel slot 2) 5–127 >>> (wheel slot 2) 128–131 Stop (wheel slot 2) 132–255 <<< (wheel slot 2)
21	Frost1	0	0–254 Open (wheel slot 1) 255–255 Frost (wheel slot 2)

Extended (continued)

Ch	Function	Default	DMX values
22	Focus	0	
23	Focus Fine	0	Fine byte of Focus
24	Zoom	128	
25	Zoom Fine	128	Fine byte of Zoom
26	Pan	128	
27	Pan Fine	0	Fine byte of Pan
28	Tilt	128	
29	Tilt Fine	0	Fine byte of Tilt
30	Fixture Global Reset	0	0–25 Unused Range 26–76 Effect Reset 77–127 Pan / Tilt Reset 128–255 Fixture Reset
31	Function	0	0–20 Unused Range 21–30 P/T Smooth OFF 31–40 P/T Smooth ON 41–50 Dimmer Curve 1 51–60 Dimmer Curve 2 61–70 Dimmer Curve 3 71–80 Dimmer Curve 4 81–90 Auto 91–95 SLN 96–100 Theatre 101–105 RNR 106–110 Standard 111–120 Pan/Tilt Slow speed 121–130 Pan/Tilt Med speed 131–140 Pan/Tilt Fast speed 141–150 CMY Normal speed 151–160 CMY Fast speed 161–170 Display OFF 171–180 Display ON 181–190 PWM Frequency 600Hz 191–200 PWM Frequency 1200Hz 201–210 PWM Frequency 2000Hz 211–220 PWM Frequency 4000Hz 221–230 PWM Frequency 6000Hz 231–240 PWM Frequency 20000Hz 241–250 P/T Follow Spot 251–255 Unused Range