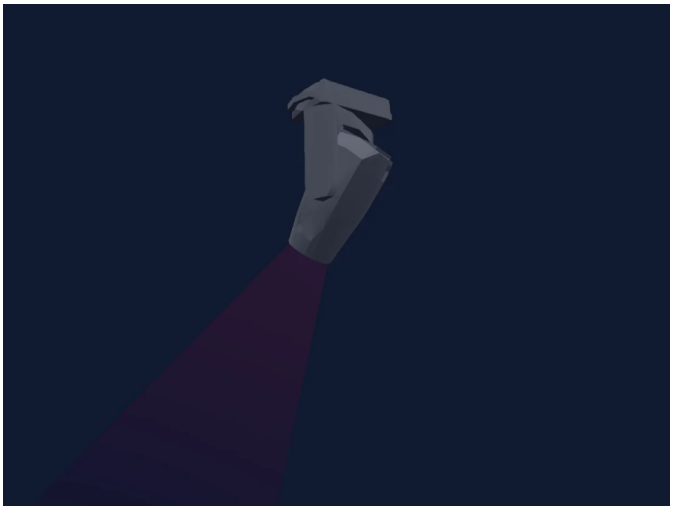
Ayrton

Bora



Manufacturer	**Ayrton**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**30, 32, 52 channels**
Beam angle	**8-64°**
Pan range	**542.12°**
Tilt range	**263.02°**
Size (W × H × D)	**326 × 550 × 260 mm**
GDTF fixture type	**909FFF22-C13F-4FB0-ADF6-021…**

Controls

Focus · Frost · Iris · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Basic_540	30 ch
Standard_540	32 ch
Extended_540	52 ch

Basic_540

30 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–225 max to min speed 226–235 blackout by movement 236–245 blackout by all wheels 246–255 no function
4	Shutter / Strobe	11	0–10 Closed 11–20 open 21–116 ShutterStrobe · min 0.5–24.7 Hz 117–117 ShutterStrobe · max 25 Hz 118–126 open 127–179 ShutterPulse · min 0.5–24.5 Hz 180–180 ShutterPulse · max 25 Hz 181–191 open 192–244 ShutterRandom · min 0.5–24.5 Hz 245–245 ShutterRandom · max 25 Hz 246–255 open
5	Dimmer	0	0–254 closed 255–255 open
6	Reserved 6	0	
7	Reserved 7	0	
8	Reserved 8	0	
9	Zoom	128	0–127 narrow 128–254 mid 255–255 wide
10	Focus	128	0–127 near 128–254 mid 255–255 far
11	Color Wheel	0	0–3 Open (wheel slot 1) 4–7 Magenta (wheel slot 2) 8–11 Congo Blue (wheel slot 3) 12–15 Green (wheel slot 4) 16–19 Orange (wheel slot 5) 20–23 Blue (wheel slot 6) 24–27 Red (wheel slot 7) 28–39 Open (wheel slot 1) 40–52 Magenta (wheel slot 2) 53–64 Congo Blue (wheel slot 3) 65–77 Green (wheel slot 4) 78–89 Orange (wheel slot 5) 90–102 Blue (wheel slot 6) 103–114 Red (wheel slot 7) 115–127 Open (wheel slot 1) 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max

Basic_540 (continued)

Ch	Function	Default	DMX values
12	Color Wheel 2	0	0–3 Open (wheel slot 1) 4–7 Half Minus Green (wheel slot 2) 8–11 Quarter Minus Green (wheel slot 3) 12–15 Pink (wheel slot 4) 16–19 Quarter CTO (wheel slot 5) 20–23 Half CTB (wheel slot 6) 24–27 Quarter CTB (wheel slot 7) 28–39 Open (wheel slot 1) 40–52 Half Minus Green (wheel slot 2) 53–64 Quarter Minus Green (wheel slot 3) 65–77 Pink (wheel slot 4) 78–89 Quarter CTO (wheel slot 5) 90–102 Half CTB (wheel slot 6) 103–114 Quarter CTB (wheel slot 7) 115–127 Open (wheel slot 1) 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
13	Cyan	0	
14	Magenta	0	
15	Yellow	0	
16	C TO	0	
17	Gobo	0	0–9 Open (wheel slot 1) 10–23 BoldLine (wheel slot 2) 24–37 FourLines (wheel slot 3) 38–51 TriangleBeam (wheel slot 4) 52–65 SquareBeam (wheel slot 5) 66–79 DotRing6 (wheel slot 6) 80–93 HalfBeam (wheel slot 7) 94–109 BoldLine (wheel slot 2) 110–125 FourLines (wheel slot 3) 126–141 TriangleBeam (wheel slot 4) 142–157 SquareBeam (wheel slot 5) 158–173 DotRing6 (wheel slot 6) 174–189 HalfBeam (wheel slot 7) 190–220 CW max 221–221 CW min 222–223 Stop 224–254 CCW min 255–255 CCW max
18	Gobo Rotation	0	0–127 Gobo1Index 128–187 CW max 188–188 CW min 189–192 stop 193–253 CCW min 254–255 CCW max
19	Iris	0	0–190 open 191–191 close 192–222 pulse max 223–223 pulse min 224–254 Pulse slow 255–255 Pulse fast
20	Frost1	0	
21	Blade3A	0	
22	Blade3B	0	
23	Blade1A	0	

Basic_540 (continued)

Ch	Function	Default	DMX values
24	Blade1B	0	
25	Blade4A	0	
26	Blade4B	0	
27	Blade2A	0	
28	Blade2B	0	
29	Shaper Rot	128	0–127 min 128–254 default 255–255 max
30	Control1	0	10–14 Display Off 15–19 Display On 20–24 Display Inv Off 25–29 Display Inv On 30–31 Auto Fan 32–33 Stage Fan 34–35 Silence Fan 36–37 Super Silence Fan 38–39 Constant Fan OFF 40–49 Constant Fan ON 50–54 Square Law 55–59 Linear 60–63 1200 Hz 64–67 2400 Hz 68–71 16000 Hz 72–79 25000 Hz 80–84 All Motor Reset 85–87 PAN/TILT Motor Reset 88–90 Color Motor Reset 91–96 Gobo Motor reset 97–99 Other Motor Reset 100–102 Pan/Tilt Speed Fast 103–105 Pan/Tilt Speed Medium 106–108 Pan/Tilt Speed Slow 109–255 Pan/Tilt Speed FS Mode

Standard_540

32 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–225 max to min speed 226–235 blackout by movement 236–245 blackout by all wheels 246–255 no function
6	Shutter / Strobe	11	0–10 Closed 11–20 open 21–116 ShutterStrobe · min 0.5–24.7 Hz 117–117 ShutterStrobe · max 25 Hz 118–126 open 127–179 ShutterPulse · min 0.5–24.5 Hz 180–180 ShutterPulse · max 25 Hz 181–191 open 192–244 ShutterRandom · min 0.5–24.5 Hz 245–245 ShutterRandom · max 25 Hz 246–255 open

Standard_540 (continued)

Ch	Function	Default	DMX values
7	Dimmer	0	0–254 closed 255–255 open
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Zoom	128	0–127 narrow 128–254 mid 255–255 wide
12	Focus	128	0–127 near 128–254 mid 255–255 far
13	Color Wheel	0	0–3 Open (wheel slot 1) 4–7 Magenta (wheel slot 2) 8–11 Congo Blue (wheel slot 3) 12–15 Green (wheel slot 4) 16–19 Orange (wheel slot 5) 20–23 Blue (wheel slot 6) 24–27 Red (wheel slot 7) 28–39 Open (wheel slot 1) 40–52 Magenta (wheel slot 2) 53–64 Congo Blue (wheel slot 3) 65–77 Green (wheel slot 4) 78–89 Orange (wheel slot 5) 90–102 Blue (wheel slot 6) 103–114 Red (wheel slot 7) 115–127 Open (wheel slot 1) 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
14	Color Wheel 2	0	0–3 Open (wheel slot 1) 4–7 Half Minus Green (wheel slot 2) 8–11 Quarter Minus Green (wheel slot 3) 12–15 Pink (wheel slot 4) 16–19 Quarter CTO (wheel slot 5) 20–23 Half CTB (wheel slot 6) 24–27 Quarter CTB (wheel slot 7) 28–39 Open (wheel slot 1) 40–52 Half Minus Green (wheel slot 2) 53–64 Quarter Minus Green (wheel slot 3) 65–77 Pink (wheel slot 4) 78–89 Quarter CTO (wheel slot 5) 90–102 Half CTB (wheel slot 6) 103–114 Quarter CTB (wheel slot 7) 115–127 Open (wheel slot 1) 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
15	Cyan	0	
16	Magenta	0	
17	Yellow	0	
18	C TO	0	

Standard_540 (continued)

Ch	Function	Default	DMX values
19	Gobo	0	0–9 Open (wheel slot 1) 10–23 BoldLine (wheel slot 2) 24–37 FourLines (wheel slot 3) 38–51 TriangleBeam (wheel slot 4) 52–65 SquareBeam (wheel slot 5) 66–79 DotRing6 (wheel slot 6) 80–93 HalfBeam (wheel slot 7) 94–109 BoldLine (wheel slot 2) 110–125 FourLines (wheel slot 3) 126–141 TriangleBeam (wheel slot 4) 142–157 SquareBeam (wheel slot 5) 158–173 DotRing6 (wheel slot 6) 174–189 HalfBeam (wheel slot 7) 190–220 CW max 221–221 CW min 222–223 Stop 224–254 CCW min 255–255 CCW max
20	Gobo Rotation	0	0–127 Gobo1Index 128–187 CW max 188–188 CW min 189–192 stop 193–253 CCW min 254–255 CCW max
21	Iris	0	0–190 open 191–191 close 192–222 pulse max 223–223 pulse min 224–254 Pulse slow 255–255 Pulse fast
22	Frost1	0	
23	Blade3A	0	
24	Blade3B	0	
25	Blade1A	0	
26	Blade1B	0	
27	Blade4A	0	
28	Blade4B	0	
29	Blade2A	0	
30	Blade2B	0	
31	Shaper Rot	128	0–127 min 128–254 default 255–255 max

Standard_540 (continued)

Ch	Function	Default	DMX values
32	Control1	0	10–14 Display Off 15–19 Display On 20–24 Display Inv Off 25–29 Display Inv On 30–31 Auto Fan 32–33 Stage Fan 34–35 Silence Fan 36–37 Super Silence Fan 38–39 Constant Fan OFF 40–49 Constant Fan ON 50–54 Square Law 55–59 Linear 60–63 1200 Hz 64–67 2400 Hz 68–71 16000 Hz 72–79 25000 Hz 80–84 All Motor Reset 85–87 PAN/TILT Motor Reset 88–90 Color Motor Reset 91–96 Gobo Motor Reset 97–99 Other Motor Reset 100–102 Pan/Tilt Speed Fast 103–105 Pan/Tilt Speed Medium 106–108 Pan/Tilt Speed Slow 109–255 Pan/Tilt Speed FS Mode

Extended_540

52 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–225 max to min speed 226–235 blackout by movement 236–245 blackout by all wheels 246–255 no function
6	Shutter / Strobe	11	0–10 Closed 11–20 open 21–116 ShutterStrobe · min 0.5–24.7 Hz 117–117 ShutterStrobe · max 25 Hz 118–126 open 127–179 ShutterPulse · min 0.5–24.5 Hz 180–180 ShutterPulse · max 25 Hz 181–191 open 192–244 ShutterRandom · min 0.5–24.5 Hz 245–245 ShutterRandom · max 25 Hz 246–255 open
7	Dimmer	0	0–254 closed 255–255 open
8	Dimmer Fine	0	Fine byte of Dimmer
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Zoom	128	0–127 narrow 128–254 mid 255–255 wide

Extended_540 (continued)

Ch	Function	Default	DMX values
13	Zoom Fine	0	Fine byte of Zoom
14	Focus	128	0–127 near 128–254 mid 255–255 far
15	Focus Fine	0	Fine byte of Focus
16	Color Wheel	0	0–3 Open (wheel slot 1) 4–7 Magenta (wheel slot 2) 8–11 Congo Blue (wheel slot 3) 12–15 Green (wheel slot 4) 16–19 Orange (wheel slot 5) 20–23 Blue (wheel slot 6) 24–27 Red (wheel slot 7) 28–39 Open (wheel slot 1) 40–52 Magenta (wheel slot 2) 53–64 Congo Blue (wheel slot 3) 65–77 Green (wheel slot 4) 78–89 Orange (wheel slot 5) 90–102 Blue (wheel slot 6) 103–114 Red (wheel slot 7) 115–127 Open (wheel slot 1) 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
17	Color Wheel Fine	0	Fine byte of Color Wheel
18	Color Wheel 2	0	0–3 Open (wheel slot 1) 4–7 Half Minus Green (wheel slot 2) 8–11 Quarter Minus Green (wheel slot 3) 12–15 Pink (wheel slot 4) 16–19 Quarter CTO (wheel slot 5) 20–23 Half CTB (wheel slot 6) 24–27 Quarter CTB (wheel slot 7) 28–39 Open (wheel slot 1) 40–52 Half Minus Green (wheel slot 2) 53–64 Quarter Minus Green (wheel slot 3) 65–77 Pink (wheel slot 4) 78–89 Quarter CTO (wheel slot 5) 90–102 Half CTB (wheel slot 6) 103–114 Quarter CTB (wheel slot 7) 115–127 Open (wheel slot 1) 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
19	Color Wheel 2 Fine	0	Fine byte of Color Wheel 2
20	Cyan	0	
21	Cyan Fine	0	Fine byte of Cyan
22	Magenta	0	
23	Magenta Fine	0	Fine byte of Magenta
24	Yellow	0	
25	Yellow Fine	0	Fine byte of Yellow
26	C TO	0	
27	C TO Fine	0	Fine byte of C TO

Extended_540 (continued)

Ch	Function	Default	DMX values
28	Gobo	0	0–9 Open (wheel slot 1) 10–23 BoldLine (wheel slot 2) 24–37 FourLines (wheel slot 3) 38–51 TriangleBeam (wheel slot 4) 52–65 SquareBeam (wheel slot 5) 66–79 DotRing6 (wheel slot 6) 80–93 HalfBeam (wheel slot 7) 94–109 BoldLine (wheel slot 2) 110–125 FourLines (wheel slot 3) 126–141 TriangleBeam (wheel slot 4) 142–157 SquareBeam (wheel slot 5) 158–173 DotRing6 (wheel slot 6) 174–189 HalfBeam (wheel slot 7) 190–220 CW max 221–221 CW min 222–223 Stop 224–254 CCW min 255–255 CCW max
29	Gobo Rotation	0	0–127 Gobo1Index 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
30	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
31	Iris	0	0–190 open 191–191 close 192–222 pulse max 223–223 pulse min 224–254 Pulse slow 255–255 Pulse fast
32	Iris Fine	0	Fine byte of Iris
33	Frost1	0	
34	Blade3A	0	
35	Blade3A Fine	0	Fine byte of Blade3A
36	Blade3B	0	
37	Blade3B Fine	0	Fine byte of Blade3B
38	Blade1A	0	
39	Blade1A Fine	0	Fine byte of Blade1A
40	Blade1B	0	
41	Blade1B Fine	0	Fine byte of Blade1B
42	Blade4A	0	
43	Blade4A Fine	0	Fine byte of Blade4A
44	Blade4B	0	
45	Blade4B Fine	0	Fine byte of Blade4B
46	Blade2A	0	
47	Blade2A Fine	0	Fine byte of Blade2A
48	Blade2B	0	
49	Blade2B Fine	0	Fine byte of Blade2B
50	Shaper Rot	128	0–127 min 128–254 default 255–255 max
51	Shaper Rot Fine	0	Fine byte of Shaper Rot

Extended_540 (continued)

Ch	Function	Default	DMX values
52	Control1	0	10–14 Display Off 15–19 Display On 20–24 Display Inv Off 25–29 Display Inv On 30–31 Auto Fan 32–33 Stage Fan 34–35 Silence Fan 36–37 Super Silence Fan 38–39 Constant Fan OFF 40–49 Constant Fan ON 50–54 Square Law 55–59 Linear 60–63 1200 Hz 64–67 2400 Hz 68–71 16000 Hz 72–79 25000 Hz 80–84 All Motor Reset 85–87 PAN/TILT Motor Reset 88–90 Color Motor Reset 91–96 Gobo Motor Reset 97–99 Other Motor Reset 100–102 Pan/Tilt Speed Fast 103–105 Pan/Tilt Speed Medium 106–108 Pan/Tilt Speed Slow 109–255 Pan/Tilt Speed FS Mode