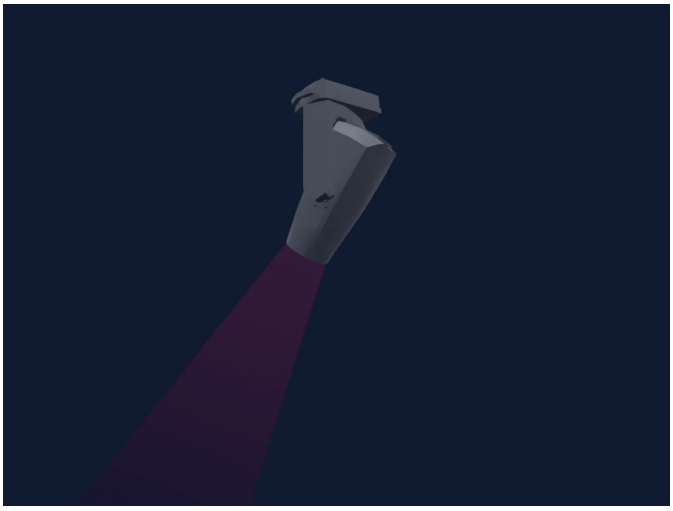
Ayrton

Huracan LT



Manufacturer	**Ayrton**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**44, 46, 70 channels**
Beam angle	**3.5-49°**
Pan range	**542.12°**
Tilt range	**263.02°**
Size (W × H × D)	**352 × 689 × 296 mm**
GDTF fixture type	**20F4CDBD-FF35-4614-BEA9-F3…**

Controls

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

Safety-relevant functions

Haze or smoke output · Fixture reset · Service functions

DMX modes

Basic_540	44 ch
Standard_540	46 ch
Extended_540	70 ch

Basic_540

44 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	246	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	Zoom	128	0–127 narrow 128–254 mid 255–255 wide
7	Focus	128	0–127 near 128–254 mid 255–255 far
8	Focus1Distance	0	0–50 NoAutoFocus 51–100 5m 101–150 7_5m 151–200 10m 201–255 15m
9	Focus1Distance Fine	0	Fine byte of Focus1Distance
10	Color Wheel	0	0–3 Open (wheel slot 1) 4–7 Quarter CTB (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) 28–40 Open (wheel slot 1) 41–52 Quarter CTB (wheel slot 2) 53–65 Congo Blue (wheel slot 3) 66–77 Green (wheel slot 4) 78–90 Orange (wheel slot 5) 91–102 Blue (wheel slot 6) 103–115 Red (wheel slot 7) 116–127 Open (wheel slot 1) 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
11	Cyan	0	
12	Magenta	0	
13	Yellow	0	
14	C TO	0	
15	C TB	0	
16	C TP	0	

Basic_540 (continued)

Ch	Function	Default	DMX values
17	Color Macro1	0	
18	No Feature	140	
19	No Feature Fine	140	Fine byte of No Feature
20	No Feature Ultra Fine	140	
21	Gobo	0	0–9 Open (wheel slot 1) 10–19 Dot Line 4 (wheel slot 2) 20–29 Dot Ring 8 (wheel slot 3) 30–39 Dot Triangle 3 (wheel slot 4) 40–49 Square Beam 4 (wheel slot 5) 50–59 Eccentric Dot (wheel slot 6) 60–69 Five Spokes (wheel slot 7) 70–77 Beam Shaper (wheel slot 8) 78–93 Dot lines 4 (wheel slot 2) 94–109 Dot Ring 8 (wheel slot 3) 110–125 Dot Triangle 3 (wheel slot 4) 126–141 Square Beam 4 (wheel slot 5) 142–157 Eccentric Dot (wheel slot 6) 158–173 Fives Spokes (wheel slot 7) 174–189 Beam Shaper (wheel slot 8) 190–220 CW max 221–221 CW min 222–223 Stop 224–254 CCW min 255–255 CCW max
22	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
23	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 StardDust (wheel slot 2) 20–29 Water (wheel slot 3) 30–39 Prison Bars (wheel slot 4) 40–49 Smoke Rings (wheel slot 5) 50–59 Deep Forest (wheel slot 6) 60–69 Tree Bark (wheel slot 7) 70–77 Nested Rings Yellow (wheel slot 8) 78–93 StarDust (wheel slot 2) 94–109 Water (wheel slot 3) 110–125 Prison Bars (wheel slot 4) 126–141 Smoke Rings (wheel slot 5) 142–157 Deep Forest (wheel slot 6) 158–173 Tree Bark (wheel slot 7) 174–189 Nested Rings Yellow (wheel slot 8) 190–220 CW max 221–221 CW min 222–223 Stop 224–254 CCW min 255–255 CCW max
24	Gobo Rotation 2	0	0–127 Gobo2Index 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
25	Animation Wheel1	0	0–7 open 8–126 CW max 127–127 CW min 128–135 stop 136–254 CCW min 255–255 CCW max
26	Animation Wheel2	0	
27	Animation Wheel2Pos	0	0–7 Open 8–126 CW max 127–127 CW min 128–135 stop 136–254 CCW min 255–255 CCW max
28	Iris	0	0–190 open 191–191 close 192–222 pulse max 223–223 pulse min 224–254 Pulse slow 255–255 Pulse fast
29	Prism	0	0–127 Open (wheel slot 1) 128–255 5-Facet (wheel slot 2)
30	Prism Rotation	0	0–127 Prism1Index 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
31	Prism	0	0–127 Open (wheel slot 1) 128–255 Linear (wheel slot 2)
32	Prism Rotation	0	0–127 Prism2Index 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
33	Frost1	0	0–254 open 255–255 Light Frost
34	Frost2	0	0–254 open 255–255 Heavy Frost
35	Blade3B	0	
36	Blade3A	0	
37	Blade1B	0	
38	Blade1A	0	
39	Blade4B	0	
40	Blade4A	0	
41	Blade2B	0	
42	Blade2A	0	
43	Shaper Rot	128	0–127 min 128–254 default 255–255 max

Basic_540 (continued)

Ch	Function	Default	DMX values
44	Control1	0	0–4 No Function 5–9 Display Off 10–14 Display On 15–19 Display Inv Off 20–24 Display Inv On 25–26 Auto Fan 27–28 Stage Fan 29–30 Silence Fan 31–32 Super Silence Fan 33–34 Constant Fan OFF 35–44 Constant Fan ON 45–49 Square Law 50–54 Linear 55–57 1200 Hz 58–60 2400 Hz 61–63 16000 Hz 64–69 25000 Hz 70–74 Gobo Correction Off 75–79 Gobo Correction On 80–84 All Motor Reset 85–87 PAN/TILT Motor Reset 88–90 Color Motor Reset 91–94 Gobo Motor Reset 95–95 Reset P/T Fade Off 96–96 Reset P/T Fade On 97–99 Other Motor Reset 100–105 Frost Progressive OFF 106–108 CMY Speed Fast 109–111 CMY Speed Medium 112–114 CMY Speed Slow 115–117 Pan/Tilt Spd Medium 118–120 Pan/Tilt Spd Fast 121–123 Pan/Tilt Spd Slow 124–126 Pan/Tilt Spd FS Mode 127–129 Prerig INIT Off 130–255 Prerig INIT On

Standard_540

46 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	Zoom	128	0–127 narrow 128–254 mid 255–255 wide
9	Focus	128	0–127 near 128–254 mid 255–255 far
10	Focus1Distance	0	0–50 NoAutoFocus 51–100 5m 101–150 7_5m 151–200 10m 201–255 15m
11	Focus1Distance Fine	0	Fine byte of Focus1Distance
12	Color Wheel	0	0–3 Open (wheel slot 1) 4–7 Quarter CTB (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) 28–40 Open (wheel slot 1) 41–52 Quarter CTB (wheel slot 2) 53–65 Congo Blue (wheel slot 3) 66–77 Green (wheel slot 4) 78–90 Orange (wheel slot 5) 91–102 Blue (wheel slot 6) 103–115 Red (wheel slot 7) 116–127 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	C TB	0	
18	C TP	0	
19	Color Macro1	0	
20	No Feature	140	
21	No Feature Fine	140	Fine byte of No Feature
22	No Feature Ultra Fine	140	

Standard_540 (continued)

Ch	Function	Default	DMX values
23	Gobo	0	0–9 Open (wheel slot 1) 10–19 Dot Line 4 (wheel slot 2) 20–29 Dot Ring 8 (wheel slot 3) 30–39 Dot Triangle 3 (wheel slot 4) 40–49 Square Beam 4 (wheel slot 5) 50–59 Eccentric Dot (wheel slot 6) 60–69 Five Spokes (wheel slot 7) 70–77 Beam Shaper (wheel slot 8) 78–93 Dot lines 4 (wheel slot 2) 94–109 Dot Ring 8 (wheel slot 3) 110–125 Dot Triangle 3 (wheel slot 4) 126–141 Square Beam 4 (wheel slot 5) 142–157 Eccentric Dot (wheel slot 6) 158–173 Fives Spokes (wheel slot 7) 174–189 Beam Shaper (wheel slot 8) 190–220 CW max 221–221 CW min 222–223 Stop 224–254 CCW min 255–255 CCW max
24	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
25	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 StardDust (wheel slot 2) 20–29 Water (wheel slot 3) 30–39 Prison Bars (wheel slot 4) 40–49 Smoke Rings (wheel slot 5) 50–59 Deep Forest (wheel slot 6) 60–69 Tree Bark (wheel slot 7) 70–77 Nested Rings Yellow (wheel slot 8) 78–93 StarDust (wheel slot 2) 94–109 Water (wheel slot 3) 110–125 Prison Bars (wheel slot 4) 126–141 Smoke Rings (wheel slot 5) 142–157 Deep Forest (wheel slot 6) 158–173 Tree Bark (wheel slot 7) 174–189 Nested Rings Yellow (wheel slot 8) 190–220 CW max 221–221 CW min 222–223 Stop 224–254 CCW min 255–255 CCW max
26	Gobo Rotation 2	0	0–127 Gobo2Index 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
27	Animation Wheel1	0	0–7 open 8–126 CW max 127–127 CW min 128–135 stop 136–254 CCW min 255–255 CCW max
28	Animation Wheel2	0	

Standard_540 (continued)

Ch	Function	Default	DMX values
29	Animation Wheel2Pos	0	0–7 Open 8–126 CW max 127–127 CW min 128–135 stop 136–254 CCW min 255–255 CCW max
30	Iris	0	0–190 open 191–191 close 192–222 pulse max 223–223 pulse min 224–254 Pulse slow 255–255 Pulse fast
31	Prism	0	0–127 Open (wheel slot 1) 128–255 5-Facet (wheel slot 2)
32	Prism Rotation	0	0–127 Prism1Index 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
33	Prism	0	0–127 Open (wheel slot 1) 128–255 Linear (wheel slot 2)
34	Prism Rotation	0	0–127 Prism2Index 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
35	Frost1	0	0–254 open 255–255 Light Frost
36	Frost2	0	0–254 open 255–255 Heavy Frost
37	Blade3B	0	
38	Blade3A	0	
39	Blade1B	0	
40	Blade1A	0	
41	Blade4B	0	
42	Blade4A	0	
43	Blade2B	0	
44	Blade2A	0	
45	Shaper Rot	128	0–127 min 128–254 default 255–255 max

Standard_540 (continued)

Ch	Function	Default	DMX values
46	Control1	0	0–4 No Function 5–9 Display Off 10–14 Display On 15–19 Display Inv Off 20–24 Display Inv On 25–26 Auto Fan 27–28 Stage Fan 29–30 Silence Fan 31–32 Super Silence Fan 33–34 Constant Fan OFF 35–44 Constant Fan ON 45–49 Square Law 50–54 Linear 55–57 1200 Hz 58–60 2400 Hz 61–63 16000 Hz 64–69 25000 Hz 70–74 Gobo Correction Off 75–79 Gobo Correction On 80–84 All Motor Reset 85–87 PAN/TILT Motor Reset 88–90 Color Motor Reset 91–94 Gobo Motor Reset 95–95 Reset P/T Fade Off 96–96 Reset P/T Fade On 97–99 Other Motor Reset 100–105 Frost Progressive OFF 106–108 CMY Speed Fast 109–111 CMY Speed Medium 112–114 CMY Speed Slow 115–117 Pan/Tilt Spd Medium 118–120 Pan/Tilt Spd Fast 121–123 Pan/Tilt Spd Slow 124–126 Pan/Tilt Spd FS Mode 127–129 Prerig INIT Off 130–255 Prerig INIT On

Extended_540

70 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	
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	
8	Dimmer Fine	0	Fine byte of Dimmer

Extended_540 (continued)

Ch	Function	Default	DMX values
9	Zoom	128	
10	Zoom Fine	0	Fine byte of Zoom
11	Focus	128	
12	Focus Fine	0	Fine byte of Focus
13	Focus1Distance	0	
14	Focus1Distance Fine	0	Fine byte of Focus1Distance
15	Color Wheel	0	0–3 Open (wheel slot 1) 4–7 Quarter CTB (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 Quarter CTB (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
16	Color Wheel Fine	0	Fine byte of Color Wheel
17	Cyan	0	
18	Cyan Fine	0	Fine byte of Cyan
19	Magenta	0	
20	Magenta Fine	0	Fine byte of Magenta
21	Yellow	0	
22	Yellow Fine	0	Fine byte of Yellow
23	C TO	0	
24	C TO Fine	0	Fine byte of C TO
25	C TB	0	
26	C TB Fine	0	Fine byte of C TB
27	C TP	0	
28	C TP Fine	0	Fine byte of C TP
29	Color Macro1	0	
30	No Feature	140	
31	No Feature Fine	140	Fine byte of No Feature
32	No Feature Ultra Fine	140	

Extended_540 (continued)

Ch	Function	Default	DMX values
33	Gobo	0	0–9 Open (wheel slot 1) 10–19 Dot Line 4 (wheel slot 2) 20–29 Dot Ring 8 (wheel slot 3) 30–39 Dot Triangle 3 (wheel slot 4) 40–49 Square Beam 4 (wheel slot 5) 50–59 Eccentric Dot (wheel slot 6) 60–69 Five Spokes (wheel slot 7) 70–77 Beam Shaper (wheel slot 8) 78–93 Dot lines 4 (wheel slot 2) 94–109 Dot Ring 8 (wheel slot 3) 110–125 Dot Triangle 3 (wheel slot 4) 126–141 Square Beam 4 (wheel slot 5) 142–157 Eccentric Dot (wheel slot 6) 158–173 Fives Spokes (wheel slot 7) 174–189 Beam Shaper (wheel slot 8) 190–220 CW max 221–221 CW min 222–223 Stop 224–254 CCW min 255–255 CCW max
34	Gobo Rotation	0	0–126 Gobo1Index 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
35	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
36	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 StardDust (wheel slot 2) 20–29 Water (wheel slot 3) 30–39 Prison Bars (wheel slot 4) 40–49 Smoke Rings (wheel slot 5) 50–59 Deep Forest (wheel slot 6) 60–69 Tree Bark (wheel slot 7) 70–77 Nested Rings Yellow (wheel slot 8) 78–93 StarDust (wheel slot 2) 94–109 Water (wheel slot 3) 110–125 Prison Bars (wheel slot 4) 126–141 Smoke Rings (wheel slot 5) 142–157 Deep Forest (wheel slot 6) 158–173 Tree Bark (wheel slot 7) 174–189 Nested Rings Yellow (wheel slot 8) 190–220 CW max 221–221 CW min 222–223 Stop 224–254 CCW min 255–255 CCW max
37	Gobo Rotation 2	0	0–126 Gobo2Index 128–188 CW max 189–189 CW min 190–193 stop 194–254 CCW min 255–255 CCW max
38	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
39	Animation Wheel1	0	
40	Animation Wheel2	0	
41	Animation Wheel2Pos	0	
42	Iris	0	
43	Iris Fine	0	Fine byte of Iris

Extended_540 (continued)

Ch	Function	Default	DMX values
44	Prism	0	0–127 Open (wheel slot 1) 128–255 5-Facet (wheel slot 2)
45	Prism Rotation	0	
46	Prism Rotation Fine	0	Fine byte of Prism Rotation
47	Prism	0	0–127 Open (wheel slot 1) 128–255 Linear (wheel slot 2)
48	Prism Rotation	0	
49	Prism Rotation Fine	0	Fine byte of Prism Rotation
50	Frost1	0	
51	Frost2	0	
52	Blade3B	0	
53	Blade3B Fine	0	Fine byte of Blade3B
54	Blade3A	0	
55	Blade3A Fine	0	Fine byte of Blade3A
56	Blade1B	0	
57	Blade1B Fine	0	Fine byte of Blade1B
58	Blade1A	0	
59	Blade1A Fine	0	Fine byte of Blade1A
60	Blade4B	0	
61	Blade4B Fine	0	Fine byte of Blade4B
62	Blade4A	0	
63	Blade4A Fine	0	Fine byte of Blade4A
64	Blade2B	0	
65	Blade2B Fine	0	Fine byte of Blade2B
66	Blade2A	0	
67	Blade2A Fine	0	Fine byte of Blade2A
68	Shaper Rot	128	
69	Shaper Rot Fine	0	Fine byte of Shaper Rot
70	Control1	0	