Martin Professional

ERA 800 Performance



Manufacturer	**Martin Professional**
Type	**Profile spot**
DMX modes	**1**
DMX footprint	**42 channels**
Beam angle	**6.1-48.9°**
Pan range	**540°**
Tilt range	**252.10000000000002°**
Size (W × H × D)	**302 × 615 × 289 mm**
GDTF fixture type	**15015F16-4662-4F48-9B18-03F…**

Controls

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

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Basic 42 ch

Basic

42 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	22	0–19 Closed 20–24 Open 25–43 Strobe · Slow 1–9.77 Hz 44–63 Strobe · Medium 10.3–19.5 Hz 64–64 Strobe · Fast 20 Hz 65–69 Open 70–76 Opening Pulse · Slow 0.55–3.31 Hz 77–83 Opening Pulse · Medium 3.78–6.54 Hz 84–84 Opening Pulse · Fast 7 Hz 85–89 Open 90–96 Closing Pulse · Slow 0.55–4.6 Hz 97–103 Closing Pulse · Medium 5.27–9.33 Hz 104–104 Closing Pulse · Fast 10 Hz 105–109 Open 110–116 Strobe Random · Slow 1–7 Hz 117–123 Strobe Random · Medium 8–14 Hz 124–124 Strobe Random · Fast 15 Hz 125–129 Open 130–136 Pulse Random · Slow 0.7–4.69 Hz 137–143 Pulse Random · Medium 5.35–9.34 Hz 144–144 Pulse Random · Fast 10 Hz 145–255 Open
2	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Cyan	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
5	Cyan Fine	0	Fine byte of Cyan
6	Magenta	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
7	Magenta Fine	0	Fine byte of Magenta
8	Yellow	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
9	Yellow Fine	0	Fine byte of Yellow
10	C TO	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
11	C TO Fine	0	Fine byte of C TO

Basic (continued)

Ch	Function	Default	DMX values
12	Color Wheel	0	0–6 Open (wheel slot 1) 7–13 Red (wheel slot 2) 14–20 Medium Blue (wheel slot 3) 21–27 Deep Green (wheel slot 4) 28–34 Lavender (wheel slot 5) 35–41 Deep Orange (wheel slot 6) 42–48 Deep Blue (wheel slot 7) 49–56 Open (wheel slot 1) 57–67 Red (wheel slot 2) 68–78 Medium Blue (wheel slot 3) 79–89 Deep Green (wheel slot 4) 90–100 Lavender (wheel slot 5) 101–111 Deep Orange (wheel slot 6) 112–122 Deep Blue (wheel slot 7) 123–127 Open (wheel slot 1) 128–158 CW Max 159–189 CW Med 190–190 CW Min 191–192 Stop 193–223 CCW Min 224–254 CCW Med 255–255 CCW Max
13	Gobo	0	0–6 Open (wheel slot 1) 7–13 Gobo 1 (wheel slot 2) 14–20 Gobo 2 (wheel slot 3) 21–27 Gobo 3 (wheel slot 4) 28–34 Gobo 4 (wheel slot 5) 35–41 Gobo 5 (wheel slot 6) 42–48 Gobo 6 (wheel slot 7) 49–55 Gobo 1 (wheel slot 2) 56–62 Gobo 2 (wheel slot 3) 63–69 Gobo 3 (wheel slot 4) 70–76 Gobo 4 (wheel slot 5) 77–83 Gobo 5 (wheel slot 6) 84–90 Gobo 6 (wheel slot 7) 91–130 CCW Max 131–170 CCW Med 171–171 CCW Min 172–174 Stop 175–214 CW Min 215–254 CW Med 255–255 CW Max
14	Gobo Rotation	0	0–31 0 deg 32–63 90 deg 64–95 180 deg 96–126 270 deg 127–127 360 deg 128–158 CW Max 159–189 CW Med 190–190 CW Min 191–192 Stop 193–223 CCW Min 224–254 CCW Med 255–255 CCW Max
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Basic (continued)

Ch	Function	Default	DMX values
16	Gobo 2	0	0–6 Open (wheel slot 1) 7–13 Gobo 1 (wheel slot 2) 14–20 Gobo 2 (wheel slot 3) 21–27 Gobo 3 (wheel slot 4) 28–34 Gobo 4 (wheel slot 5) 35–41 Gobo 5 (wheel slot 6) 42–48 Gobo 6 (wheel slot 7) 49–55 Gobo 7 (wheel slot 8) 56–62 Gobo 1 (wheel slot 2) 63–69 Gobo 2 (wheel slot 3) 70–76 Gobo 3 (wheel slot 4) 77–83 Gobo 4 (wheel slot 5) 84–90 Gobo 5 (wheel slot 6) 91–97 Gobo 6 (wheel slot 7) 98–104 Gobo 7 (wheel slot 8) 105–140 CCW Max 141–177 CCW Med 178–178 CCW Min 179–182 Stop 183–218 CW Min 219–254 CW Med 255–255 CW Max
17	Animation Wheel1	0	0–5 Open (wheel slot 1) 6–25 0 deg (wheel slot 2) 26–46 90 deg (wheel slot 2) 47–66 180 deg (wheel slot 2) 67–86 270 deg (wheel slot 2) 87–107 360 deg (wheel slot 2) 108–127 450 deg (wheel slot 2) 128–128 540 deg (wheel slot 2) 129–159 CW Max (wheel slot 2) 160–190 CW Med (wheel slot 2) 191–191 CW Min (wheel slot 2) 192–192 Stop (wheel slot 2) 193–223 CCW Min (wheel slot 2) 224–254 CCW Med (wheel slot 2) 255–255 CCW Max (wheel slot 2)
18	Frost1	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Full
19	Frost2	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Full
20	Prism	0	0–10 Open (wheel slot 1) 11–255 4 Facet Prism (wheel slot 2)
21	Prism Rotation	0	0–31 0 deg (wheel slot 2) 32–63 90 deg (wheel slot 2) 64–94 180 deg (wheel slot 2) 95–126 270 deg (wheel slot 2) 127–127 360 deg (wheel slot 2) 128–158 CW Max (wheel slot 2) 159–189 CW Med (wheel slot 2) 190–190 CW Min (wheel slot 2) 191–192 Stop (wheel slot 2) 193–223 CCW Min (wheel slot 2) 224–254 CCW Med (wheel slot 2) 255–255 CCW Max (wheel slot 2)

Basic (continued)

Ch	Function	Default	DMX values
22	Prism	0	0–10 Open (wheel slot 1) 11–255 6 Facet Linear (wheel slot 2)
23	Prism Rotation	0	0–31 0 deg (wheel slot 2) 32–63 90 deg (wheel slot 2) 64–94 180 deg (wheel slot 2) 95–126 270 deg (wheel slot 2) 127–127 360 deg (wheel slot 2) 128–158 CW Max (wheel slot 2) 159–189 CW Med (wheel slot 2) 190–190 CW Min (wheel slot 2) 191–192 Stop (wheel slot 2) 193–223 CCW Min (wheel slot 2) 224–254 CCW Med (wheel slot 2) 255–255 CCW Max (wheel slot 2)
24	Iris	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Closed
25	Zoom	128	0–127 Narrow 128–254 Medium 255–255 Wide
26	Zoom Fine	0	Fine byte of Zoom
27	Focus	128	0–127 Far 128–254 Medium 255–255 Near
28	Focus Fine	0	Fine byte of Focus
29	Blade3A	0	0–127 Min 128–254 Mid 255–255 Max
30	Blade3Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
31	Blade4A	0	0–127 Min 128–254 Mid 255–255 Max
32	Blade4Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
33	Blade1A	0	0–127 Min 128–254 Mid 255–255 Max
34	Blade1Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
35	Blade2A	0	0–127 Min 128–254 Mid 255–255 Max
36	Blade2Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
37	Shaper Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
38	Pan	128	
39	Pan Fine	0	Fine byte of Pan

Basic (continued)

Ch	Function	Default	DMX values
40	Tilt	128	
41	Tilt Fine	0	Fine byte of Tilt
42	Control1	0	0–9 Idle 10–14 Reset Entire Fixture (5s) 15–15 No Function 1 16–16 Reset Color Only (5s) 17–17 Reset Beam Only (5s) 18–18 Reset Pan and Tilt Only (5s) 19–22 No Function 2 23–23 Linear (1s) 24–24 Square (1s) 25–25 Inverse Square (1s) 26–26 S-Curve (1s) 27–27 No Function 3 28–28 Fast (5s) 29–29 Smooth (5s) 30–51 No Function 4 52–52 Control Panel Display ON (1s) 53–53 Control Panel Display OFF (1s) 54–54 Regulated Fan Speed (1s) 55–55 Full Fan Speed (1s) 56–56 Ultra Low Fan Speed (1s) 57–255 No Function 5