Martin Professional

ERA 400 Performance WRM



Manufacturer	**Martin Professional**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**30, 32 channels**
Beam angle	**9.4-27.8°**
Pan range	**540°**
Tilt range	**260°**
Size (W × H × D)	**255 × 438 × 237 mm**
GDTF fixture type	**F958687A-84EC-4EF3-BDF3-9A…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

Basic	30 ch
Extended	32 ch

Basic

30 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	22	0–19 Closed 20–24 Open 25–43 Strobe · Fast 15–8.54 Hz 44–63 Strobe · Medium 8.18–1.36 Hz 64–64 Strobe · Slow 1 Hz 65–69 Open 70–76 Opening Pulse · Fast 7–4.24 Hz 77–83 Opening Pulse · Medium 3.77–1.01 Hz 84–84 Opening Pulse · Slow 0.55 Hz 85–89 Open 90–96 Closing Pulse · Fast 7–4.24 Hz 97–103 Closing Pulse · Medium 3.77–1.01 Hz 104–104 Closing Pulse · Slow 0.55 Hz 105–109 Open 110–116 Strobe Random · Fast 15–9 Hz 117–123 Strobe Random · Medium 8–2 Hz 124–124 Strobe Random · Slow 1 Hz 125–129 Open 130–136 Random Opening Pulse · Fast 7–4.24 Hz 137–143 Random Opening Pulse · Medium 3.77–1.01 Hz 144–144 Random Opening Pulse · Slow 0.55 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	Magenta	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
6	Yellow	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

Basic (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–6 Open (wheel slot 1) 7–12 Light Blue (wheel slot 2) 13–18 Dark Green (wheel slot 3) 19–25 Pink (wheel slot 4) 26–31 Orange (wheel slot 5) 32–37 Light Green (wheel slot 6) 38–44 Light Magenta (wheel slot 7) 45–50 CTB (wheel slot 8) 51–56 Dark Blue (wheel slot 9) 57–63 Dark Red (wheel slot 10) 64–66 Open (wheel slot 1) 67–73 Light Blue (wheel slot 2) 74–80 Dark Green (wheel slot 3) 81–87 Pink (wheel slot 4) 88–94 Orange (wheel slot 5) 95–101 Light Green (wheel slot 6) 102–108 Light Magenta (wheel slot 7) 109–115 CTB (wheel slot 8) 116–122 Dark Blue (wheel slot 9) 123–127 Dark Red (wheel slot 10) 128–158 CCW Max 159–189 CCW Med 190–190 CCW Min 191–192 Stop 193–223 CW Min 224–254 CW Med 255–255 CW Max
8	Gobo	0	0–7 Open (wheel slot 1) 8–15 Gobo 1 (wheel slot 2) 16–23 Gobo 2 (wheel slot 3) 24–31 Gobo 3 (wheel slot 4) 32–39 Gobo 4 (wheel slot 5) 40–47 Gobo 5 (wheel slot 6) 48–55 Gobo 6 (wheel slot 7) 56–63 Gobo 7 (wheel slot 8) 64–72 Gobo 1 (wheel slot 2) 73–81 Gobo 2 (wheel slot 3) 82–90 Gobo 3 (wheel slot 4) 91–99 Gobo 4 (wheel slot 5) 100–108 Gobo 5 (wheel slot 6) 109–117 Gobo 6 (wheel slot 7) 118–127 Gobo 7 (wheel slot 8) 128–158 CCW Max 159–189 CCW Med 190–190 CCW Min 191–192 Stop 193–223 CW Min 224–254 CW Med 255–255 CW Max
9	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 CCW Max 159–189 CCW Med 190–190 CCW Min 191–192 Stop 193–223 CW Min 224–254 CW Med 255–255 CW Max

Basic (continued)

Ch	Function	Default	DMX values
10	Gobo 2	0	0–6 Open (wheel slot 1) 7–12 Gobo 1 (wheel slot 2) 13–18 Gobo 2 (wheel slot 3) 19–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–37 Gobo 5 (wheel slot 6) 38–44 Gobo 6 (wheel slot 7) 45–50 Gobo 7 (wheel slot 8) 51–56 Gobo 8 (wheel slot 9) 57–63 Gobo 9 (wheel slot 10) 64–70 Gobo 1 (wheel slot 2) 71–77 Gobo 2 (wheel slot 3) 78–84 Gobo 3 (wheel slot 4) 85–91 Gobo 4 (wheel slot 5) 92–98 Gobo 5 (wheel slot 6) 99–105 Gobo 6 (wheel slot 7) 106–112 Gobo 7 (wheel slot 8) 113–119 Gobo 8 (wheel slot 9) 120–127 Gobo 9 (wheel slot 10) 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
11	Prism	0	0–10 Open (wheel slot 1) 11–127 Prism (wheel slot 2) 128–131 Macro 1 (wheel slot 2) 132–135 Macro 2 (wheel slot 2) 136–139 Macro 3 (wheel slot 2) 140–143 Macro 4 (wheel slot 2) 144–147 Macro 5 (wheel slot 2) 148–151 Macro 6 (wheel slot 2) 152–155 Macro 7 (wheel slot 2) 156–159 Macro 8 (wheel slot 2) 160–163 Macro 9 (wheel slot 2) 164–167 Macro 10 (wheel slot 2) 168–171 Macro 11 (wheel slot 2) 172–175 Macro 12 (wheel slot 2) 176–179 Macro 13 (wheel slot 2) 180–183 Macro 14 (wheel slot 2) 184–187 Macro 15 (wheel slot 2) 188–191 Macro 16 (wheel slot 2) 192–195 Macro 17 (wheel slot 2) 196–199 Macro 18 (wheel slot 2) 200–203 Macro 19 (wheel slot 2) 204–207 Macro 20 (wheel slot 2) 208–211 Macro 21 (wheel slot 2) 212–215 Macro 22 (wheel slot 2) 216–219 Macro 23 (wheel slot 2) 220–223 Macro 24 (wheel slot 2) 224–227 Macro 25 (wheel slot 2) 228–231 Macro 26 (wheel slot 2) 232–235 Macro 27 (wheel slot 2) 236–239 Macro 28 (wheel slot 2) 240–243 Macro 29 (wheel slot 2) 244–247 Macro 30 (wheel slot 2) 248–251 Macro 31 (wheel slot 2) 252–255 Macro 32 (wheel slot 2)

Basic (continued)

Ch	Function	Default	DMX values
12	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)
13	Iris	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Closed
14	Zoom	128	0–127 Narrow 128–254 Medium 255–255 Wide
15	Focus	128	0–127 Far 128–254 Medium 255–255 Near
16	Blade3A	0	0–127 Min 128–254 Mid 255–255 Max
17	Blade3Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
18	Blade4A	0	0–127 Min 128–254 Mid 255–255 Max
19	Blade4Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
20	Blade1A	0	0–127 Min 128–254 Mid 255–255 Max
21	Blade1Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
22	Blade2A	0	0–127 Min 128–254 Mid 255–255 Max
23	Blade2Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
24	Shaper Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
25	Pan	128	
26	Pan Fine	0	Fine byte of Pan
27	Tilt	128	
28	Tilt Fine	0	Fine byte of Tilt

Basic (continued)

Ch	Function	Default	DMX values
29	Position MSpeed	0	0–127 Max 128–254 Med 255–255 Min
30	Control1	0	0–69 Idle 70–79 BlackOut PanTilt Enable 80–89 BlackOut PanTilt Disable 90–99 BlackOut Color Enable 100–109 BlackOut Color Disable 110–119 BlackOut Gobo Enable 120–129 BlackOut Gobo Disable 130–199 No Function 1 200–209 Reset Entire Fixture (5s) 210–219 Reset Effects Only (5s) 220–229 Reset Pan and Tilt Only (5s) 230–255 No Function 2

Extended

32 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	22	0–19 Closed 20–24 Open 25–43 Strobe · Fast 15–8.54 Hz 44–63 Strobe · Medium 8.18–1.36 Hz 64–64 Strobe · Slow 1 Hz 65–69 Open 70–76 Opening Pulse · Fast 7–4.24 Hz 77–83 Opening Pulse · Medium 3.77–1.01 Hz 84–84 Opening Pulse · Slow 0.55 Hz 85–89 Open 90–96 Closing Pulse · Fast 7–4.24 Hz 97–103 Closing Pulse · Medium 3.77–1.01 Hz 104–104 Closing Pulse · Slow 0.55 Hz 105–109 Open 110–116 Strobe Random · Fast 15–9 Hz 117–123 Strobe Random · Medium 8–2 Hz 124–124 Strobe Random · Slow 1 Hz 125–129 Open 130–136 Random Opening Pulse · Fast 7–4.24 Hz 137–143 Random Opening Pulse · Medium 3.77–1.01 Hz 144–144 Random Opening Pulse · Slow 0.55 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	Magenta	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

Extended (continued)

Ch	Function	Default	DMX values
6	Yellow	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
7	Color Wheel	0	0–6 Open (wheel slot 1) 7–12 Light Blue (wheel slot 2) 13–18 Dark Green (wheel slot 3) 19–25 Pink (wheel slot 4) 26–31 Orange (wheel slot 5) 32–37 Light Green (wheel slot 6) 38–44 Light Magenta (wheel slot 7) 45–50 CTB (wheel slot 8) 51–56 Dark Blue (wheel slot 9) 57–63 Dark Red (wheel slot 10) 64–66 Open (wheel slot 1) 67–73 Light Blue (wheel slot 2) 74–80 Dark Green (wheel slot 3) 81–87 Pink (wheel slot 4) 88–94 Orange (wheel slot 5) 95–101 Light Green (wheel slot 6) 102–108 Light Magenta (wheel slot 7) 109–115 CTB (wheel slot 8) 116–122 Dark Blue (wheel slot 9) 123–127 Dark Red (wheel slot 10) 128–158 CCW Max 159–189 CCW Med 190–190 CCW Min 191–192 Stop 193–223 CW Min 224–254 CW Med 255–255 CW Max
8	Gobo	0	0–7 Open (wheel slot 1) 8–15 Gobo 1 (wheel slot 2) 16–23 Gobo 2 (wheel slot 3) 24–31 Gobo 3 (wheel slot 4) 32–39 Gobo 4 (wheel slot 5) 40–47 Gobo 5 (wheel slot 6) 48–55 Gobo 6 (wheel slot 7) 56–63 Gobo 7 (wheel slot 8) 64–72 Gobo 1 (wheel slot 2) 73–81 Gobo 2 (wheel slot 3) 82–90 Gobo 3 (wheel slot 4) 91–99 Gobo 4 (wheel slot 5) 100–108 Gobo 5 (wheel slot 6) 109–117 Gobo 6 (wheel slot 7) 118–127 Gobo 7 (wheel slot 8) 128–158 CCW Max 159–189 CCW Med 190–190 CCW Min 191–192 Stop 193–223 CW Min 224–254 CW Med 255–255 CW Max

Extended (continued)

Ch	Function	Default	DMX values
9	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 CCW Max 159–189 CCW Med 190–190 CCW Min 191–192 Stop 193–223 CW Min 224–254 CW Med 255–255 CW Max
10	Gobo 2	0	0–6 Open (wheel slot 1) 7–12 Gobo 1 (wheel slot 2) 13–18 Gobo 2 (wheel slot 3) 19–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–37 Gobo 5 (wheel slot 6) 38–44 Gobo 6 (wheel slot 7) 45–50 Gobo 7 (wheel slot 8) 51–56 Gobo 8 (wheel slot 9) 57–63 Gobo 9 (wheel slot 10) 64–70 Gobo 1 (wheel slot 2) 71–77 Gobo 2 (wheel slot 3) 78–84 Gobo 3 (wheel slot 4) 85–91 Gobo 4 (wheel slot 5) 92–98 Gobo 5 (wheel slot 6) 99–105 Gobo 6 (wheel slot 7) 106–112 Gobo 7 (wheel slot 8) 113–119 Gobo 8 (wheel slot 9) 120–127 Gobo 9 (wheel slot 10) 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

Extended (continued)

Ch	Function	Default	DMX values
11	Prism	0	0–10 Open (wheel slot 1) 11–127 Prism (wheel slot 2) 128–131 Macro 1 (wheel slot 2) 132–135 Macro 2 (wheel slot 2) 136–139 Macro 3 (wheel slot 2) 140–143 Macro 4 (wheel slot 2) 144–147 Macro 5 (wheel slot 2) 148–151 Macro 6 (wheel slot 2) 152–155 Macro 7 (wheel slot 2) 156–159 Macro 8 (wheel slot 2) 160–163 Macro 9 (wheel slot 2) 164–167 Macro 10 (wheel slot 2) 168–171 Macro 11 (wheel slot 2) 172–175 Macro 12 (wheel slot 2) 176–179 Macro 13 (wheel slot 2) 180–183 Macro 14 (wheel slot 2) 184–187 Macro 15 (wheel slot 2) 188–191 Macro 16 (wheel slot 2) 192–195 Macro 17 (wheel slot 2) 196–199 Macro 18 (wheel slot 2) 200–203 Macro 19 (wheel slot 2) 204–207 Macro 20 (wheel slot 2) 208–211 Macro 21 (wheel slot 2) 212–215 Macro 22 (wheel slot 2) 216–219 Macro 23 (wheel slot 2) 220–223 Macro 24 (wheel slot 2) 224–227 Macro 25 (wheel slot 2) 228–231 Macro 26 (wheel slot 2) 232–235 Macro 27 (wheel slot 2) 236–239 Macro 28 (wheel slot 2) 240–243 Macro 29 (wheel slot 2) 244–247 Macro 30 (wheel slot 2) 248–251 Macro 31 (wheel slot 2) 252–255 Macro 32 (wheel slot 2)
12	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)
13	Iris	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Closed
14	Zoom	128	0–127 Narrow 128–254 Medium 255–255 Wide
15	Zoom Fine	0	Fine byte of Zoom
16	Focus	128	0–127 Far 128–254 Medium 255–255 Near
17	Focus Fine	0	Fine byte of Focus

Extended (continued)

Ch	Function	Default	DMX values
18	Blade3A	0	0–127 Min 128–254 Mid 255–255 Max
19	Blade3Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
20	Blade4A	0	0–127 Min 128–254 Mid 255–255 Max
21	Blade4Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
22	Blade1A	0	0–127 Min 128–254 Mid 255–255 Max
23	Blade1Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
24	Blade2A	0	0–127 Min 128–254 Mid 255–255 Max
25	Blade2Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
26	Shaper Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
27	Pan	128	
28	Pan Fine	0	Fine byte of Pan
29	Tilt	128	
30	Tilt Fine	0	Fine byte of Tilt
31	Position MSpeed	0	0–127 Max 128–254 Med 255–255 Min
32	Control1	0	0–69 Idle 70–79 BlackOut PanTilt Enable 80–89 BlackOut PanTilt Disable 90–99 BlackOut Color Enable 100–109 BlackOut Color Disable 110–119 BlackOut Gobo Enable 120–129 BlackOut Gobo Disable 130–199 No Function 1 200–209 Reset Entire Fixture (5s) 210–219 Reset Effects Only (5s) 220–229 Reset Pan and Tilt Only (5s) 230–255 No Function 2