Martin Professional

MAC 250



Manufacturer	**Martin Professional**
Type	**Moving head**
DMX modes	**1**
DMX footprint	**15 channels**
Beam angle	**17.7°**
Pan range	**540°**
Tilt range	**246°**
Size (W × H × D)	**255 × 372 × 222 mm**
GDTF fixture type	**D5DE4876-FB6D-4728-BEDB-3…**

Controls

Focus · Prism · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset

DMX modes

Basic 15 ch

Basic

15 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 Strobe Closing Pulse 1 · Fast 2–1.31 Hz 77–83 Strobe Closing Pulse 1 · Medium 1.2–0.514 Hz 84–84 Strobe Closing Pulse 1 · Slow 0.4 Hz 85–89 Open 90–96 Strobe Closing Pulse 2 · Slow 0.4–1.09 Hz 97–103 Strobe Closing Pulse 2 · Medium 1.2–1.89 Hz 104–104 Strobe Closing Pulse 2 · Fast 2 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 Strobe Random Opening Pulse 1 · Fast 5–3.29 Hz 137–143 Strobe Random Opening Pulse 1 · Medium 3–1.29 … 144–144 Strobe Random Opening Pulse 1 · Slow 1 Hz 145–255 Open
2	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
3	Color Wheel	0	0–6 Open (wheel slot 1) 7–12 CTC (wheel slot 1) 13–18 Yellow (wheel slot 8) 19–25 Blue (wheel slot 2) 26–31 Pink (wheel slot 4) 32–37 Green (wheel slot 6) 38–44 Blue (wheel slot 2) 45–50 Red (wheel slot 10) 51–56 Magenta (wheel slot 7) 57–63 Blue (wheel slot 9) 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 Magenta (wheel slot 7) 109–115 Light Yellow (wheel slot 8) 116–122 Dark Blue (wheel slot 9) 123–127 Dark Red (wheel slot 10) 128–158 CW Max 159–189 CW Med 190–190 CW Min 191–192 Stop 193–223 CCW Mix 224–254 CCW Med 255–255 CCW Max

Basic (continued)

Ch	Function	Default	DMX values
4	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 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
5	Gobo Rotation	0	0–30 0 deg 31–62 90 deg 63–94 180 deg 95–126 270 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
6	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
7	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

Basic (continued)

Ch	Function	Default	DMX values
8	Focus	128	0–127 Far 128–254 Medium 255–255 Near
9	Prism	0	0–10 Open (wheel slot 1) 11–127 3 Facet Prism (wheel slot 2) 128–131 Macro 1 132–135 Macro 2 136–139 Macro 3 140–143 Macro 4 144–147 Macro 5 148–151 Macro 6 152–155 Macro 7 156–159 Macro 8 160–163 Macro 9 164–167 Macro 10 168–171 Macro 11 172–175 Macro 12 176–179 Macro 13 180–183 Macro 14 184–187 Macro 15 188–191 Macro 16 192–195 Macro 17 196–199 Macro 18 200–203 Macro 19 204–207 Macro 20 208–211 Macro 21 212–215 Macro 22 216–219 Macro 23 220–223 Macro 24 224–227 Macro 25 228–231 Macro 26 232–235 Macro 27 236–239 Macro 28 240–243 Macro 29 244–247 Macro 30 248–251 Macro 31 252–255 Macro 32
10	Pan	128	
11	Pan Fine	0	Fine byte of Pan
12	Tilt	128	
13	Tilt Fine	0	Fine byte of Tilt
14	Position MSpeed	0	0–127 Fast 128–254 Medium 255–255 Slow
15	Control1	0	0–69 No Function 70–79 BO while PAN TILT moving ON 80–89 BO while PAN TILT moving OFF 90–99 BO while Colour moving ON 100–109 BO while Colour moving OFF 110–119 BO while Gobo moving ON 120–129 BO while Gobo moving OFF 130–199 No Function 200–209 Reset All 210–219 Reset Effects 220–229 Reset PanTilt 230–255 No Function