Martin Professional

MAC Axiom Hybrid



Manufacturer	**Martin Professional**
Type	**Moving head**
DMX modes	**1**
DMX footprint	**23 channels**
Beam angle	**2-44°**
Pan range	**540°**
Tilt range	**260°**
Size (W × H × D)	**277 × 395 × 266 mm**
GDTF fixture type	**A01F4253-1D30-4B66-8C48-A8…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Service functions

DMX modes

Basic 23 ch

Basic

23 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	30	0–19 Closed 20–49 Open 50–114 Strobe · Slow 0.8–5.33 Hz 115–179 Strobe · Medium 5.4–9.93 Hz 180–180 Strobe · Fast 10 Hz 181–184 Opening Pulse · Slow 0.2–0.467 Hz 185–189 Opening Pulse · Medium 0.556–0.911 Hz 190–190 Opening Pulse · Fast 1 Hz 191–194 Closing Pulse · Slow 0.2–0.467 Hz 195–199 Closing Pulse · Medium 0.556–0.911 Hz 200–200 Closing Pulse · Fast 1 Hz 201–210 Open 211–232 Strobe Random · Slow 0.8–5.19 Hz 233–254 Strobe Random · Medium 5.4–9.79 Hz 255–255 Strobe Random · Fast 10 Hz
2	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
3	Cyan	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
4	Magenta	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
5	Yellow	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
6	C TO	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	0–4 Open (wheel slot 1) 5–13 Blue (wheel slot 2) 14–22 Light Green (wheel slot 3) 23–31 Half CTB (wheel slot 4) 32–40 Orange (wheel slot 5) 41–49 Deep Magenta (wheel slot 6) 50–58 Full CTB (wheel slot 7) 59–67 Pale Yellow (wheel slot 8) 68–76 Light Blue (wheel slot 9) 77–85 Light Red (wheel slot 10) 86–94 Lavender (wheel slot 11) 95–103 Dark Green (wheel slot 12) 104–112 Purple (wheel slot 13) 113–121 Pink (wheel slot 14) 122–130 Dark Yellow (wheel slot 15) 131–139 Dark Blue (wheel slot 16) 140–148 Dark Red (wheel slot 17) 149–153 Open (wheel slot 1) 154–162 No Function 163–163 Blue (wheel slot 2) 164–164 Light Green (wheel slot 3) 165–165 Half CTB (wheel slot 4) 166–166 Orange (wheel slot 5) 167–167 Deep Magenta (wheel slot 6) 168–168 Full CTB (wheel slot 7) 169–169 Pale Yellow (wheel slot 8) 170–170 Light Blue (wheel slot 9) 171–171 Light Red (wheel slot 10) 172–172 Lavender (wheel slot 11) 173–173 Dark Green (wheel slot 12) 174–174 Purple (wheel slot 13) 175–175 Pink (wheel slot 14) 176–176 Dark Yellow (wheel slot 15) 177–177 Dark Blue (wheel slot 16) 178–178 Dark Red (wheel slot 17) 179–192 Open (wheel slot 1) 193–203 CW Max 204–213 CW Med 214–214 CW Min 215–221 Stop 222–231 CCW Min 232–242 CCW Med 243–243 CCW Max 244–248 Fast 249–254 Medium 255–255 Slow

Basic (continued)

Ch	Function	Default	DMX values
8	Gobo	0	0–2 Open (wheel slot 1) 3–6 Gobo 1 (wheel slot 2) 7–10 Gobo 2 (wheel slot 3) 11–14 Gobo 3 (wheel slot 4) 15–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 8 (wheel slot 9) 36–40 Gobo 9 (wheel slot 10) 41–44 Gobo 1 (wheel slot 2) 45–48 Gobo 2 (wheel slot 3) 49–52 Gobo 3 (wheel slot 4) 53–56 Gobo 4 (wheel slot 5) 57–60 Gobo 5 (wheel slot 6) 61–64 Gobo 6 (wheel slot 7) 65–68 Gobo 7 (wheel slot 8) 69–71 Gobo 8 (wheel slot 9) 72–80 Gobo 9 (wheel slot 10) 81–90 Gobo 1 (wheel slot 2) 91–100 Gobo 2 (wheel slot 3) 101–110 Gobo 3 (wheel slot 4) 111–120 Gobo 4 (wheel slot 5) 121–130 Gobo 5 (wheel slot 6) 131–140 Gobo 6 (wheel slot 7) 141–150 Gobo 7 (wheel slot 8) 151–160 Gobo 8 (wheel slot 9) 161–170 Gobo 9 (wheel slot 10) 171–200 No Function 201–214 CW Max 215–227 CW Med 228–228 CW Min 229–241 CCW Min 242–254 CCW Med 255–255 CCW Max
9	Gobo Rotation	128	0–1 -180 deg 2–62 CCW Max 63–63 CCW Med 64–124 -90 deg 125–127 CCW Min 128–189 0 deg 190–191 CW Med 192–251 90 deg 252–254 CW Max 255–255 180 deg
10	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Basic (continued)

Ch	Function	Default	DMX values
11	Gobo 2	0	0–20 Open (wheel slot 1) 21–30 Gobo 1 (wheel slot 2) 31–40 Gobo 2 (wheel slot 3) 41–50 Gobo 3 (wheel slot 4) 51–60 Gobo 4 (wheel slot 5) 61–70 Gobo 5 (wheel slot 6) 71–80 Gobo 6 (wheel slot 7) 81–90 Gobo 7 (wheel slot 8) 91–100 Gobo 8 (wheel slot 9) 101–110 Gobo 9 (wheel slot 10) 111–120 Gobo 10 (wheel slot 11) 121–130 Gobo 11 (wheel slot 12) 131–140 Gobo 12 (wheel slot 13) 141–150 Gobo 13 (wheel slot 14) 151–160 Gobo 14 (wheel slot 15) 161–170 Gobo 15 (wheel slot 16) 171–180 Gobo 16 (wheel slot 17) 181–190 Gobo 17 (wheel slot 18) 191–191 Indexed Pos 1 (wheel slot 2) 192–192 Indexed Pos 2 (wheel slot 2) 193–193 Indexed Pos 3 (wheel slot 2) 194–194 Indexed Pos 4 (wheel slot 2) 195–195 Indexed Pos 5 (wheel slot 2) 196–196 Indexed Pos 6 (wheel slot 2) 197–197 Indexed Pos 7 (wheel slot 2) 198–198 Indexed Pos 8 (wheel slot 2) 199–199 Indexed Pos 9 (wheel slot 2) 200–200 Indexed Pos 10 (wheel slot 2) 201–201 Bounce Slow (wheel slot 2) 202–202 Bounce Medium (wheel slot 2) 203–203 Bounce Fast (wheel slot 2) 204–211 CW Max 212–219 CW Med 220–220 CW Min 221–226 Stop 227–234 CCW Min 235–242 CCW Med 243–243 CCW Max 244–248 Fast 249–254 Medium 255–255 Slow
12	Frost1	0	0–127 Disabled 128–255 Enabled
13	Prism	0	0–10 Open (wheel slot 1) 11–20 3-facet behind zoom (wheel slot 2) 21–30 8-facet behind zoom (wheel slot 3) 31–40 3-facet before zoom (wheel slot 4) 41–255 8-facet before zoom (wheel slot 5)
14	Prism Rotation	128	0–2 Stop 3–63 CCW Max 64–125 CCW Med 126–126 CCW Min 127–129 Stop 130–191 CW Min 192–252 CW Med 253–253 CW Max 254–255 Stop
15	Prism Lineator	128	0–127 Wide 128–254 Medium 255–255 Narrow

Basic (continued)

Ch	Function	Default	DMX values
16	Zoom	128	0–127 Wide 128–254 Medium 255–255 Narrow
17	Focus	128	0–127 Far 128–254 Medium 255–255 Near
18	Focus Fine	0	Fine byte of Focus
19	Pan	128	
20	Pan Fine	0	Fine byte of Pan
21	Tilt	128	
22	Tilt Fine	0	Fine byte of Tilt
23	Control1	0	0–9 Idle 10–14 Reset Entire Fixture (5s) 15–15 No Function 1 16–17 Reset Effects Only (5s) 18–18 Reset Pan and Tilt Only (5s) 19–27 No Function 2 28–28 Fast (1s) 29–29 Smooth (1s) 30–30 Shortcuts ON 31–31 Shortcuts OFF 32–32 Off (1s) 33–33 On (1s) 34–34 CMY Snap Mode 35–35 CMY Fade Mode 36–39 No Function 3 40–44 Lamp On (5s) 45–51 Lamp Off (5s) 52–52 Control Panel Display ON (1s) 53–53 Control Panel Display OFF (1s) 54–255 No Function 4