Martin Professional

MAC 401



Manufacturer	**Martin Professional**
Type	**Moving head**
DMX modes	**1**
DMX footprint	**21 channels**
Beam angle	**9-41.7°**
Pan range	**540°**
Tilt range	**232°**
Size (W × H × D)	**375 × 220 × 375 mm**
GDTF fixture type	**CDC727E7-FD13-4B79-B4C5-6B…**

Controls

Zoom · RGB colour mixing · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pan and tilt

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

RGBX All — 21 ch

RGBX All

21 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	22	0–19 Closed 20–24 Open 25–44 Strobe · Fast 20–10.7 Hz 45–63 Strobe · Medium 10.3–1.49 Hz 64–64 Strobe · Slow 1 Hz 65–69 Open 70–76 Opening Pulse · Fast 3–1.77 Hz 77–83 Opening Pulse · Medium 1.56–0.33 Hz 84–84 Opening Pulse · Slow 0.125 Hz 85–89 Open 90–96 Closing Pulse · Fast 3–1.77 Hz 97–103 Closing Pulse · Medium 1.56–0.33 Hz 104–104 Closing Pulse · Slow 0.125 Hz 105–109 Open 110–116 Strobe Random · Fast 20–11.9 Hz 117–123 Strobe Random · Medium 10.5–2.36 Hz 124–124 Strobe Random · Slow 1 Hz 125–129 Open 130–136 Opening Pulse Random · Fast 3–1.77 Hz 137–143 Opening Pulse Random · Medium 1.56–0.33 Hz 144–144 Opening Pulse Random · Slow 0.125 Hz 145–149 Open 150–156 Closing Pulse Random · Fast 3–1.77 Hz 157–163 Closing Pulse Random · Medium 1.56–0.33 Hz 164–164 Closing Pulse Random · Slow 0.125 Hz 165–169 Open 170–176 Burst Pulse · Fast 20–11.9 Hz 177–183 Burst Pulse · Medium 10.5–2.36 Hz 184–184 Burst Pulse · Slow 1 Hz 185–189 Open 190–196 Random Burst Pulse · Fast 20–11.9 Hz 197–203 Random Burst Pulse · Medium 10.5–2.36 Hz 204–204 Random Burst Pulse · Slow 1 Hz 205–209 Open 210–216 Sine Wave strobe · Fast 3–2.14 Hz 217–223 Sine Wave strobe · Medium 2–1.14 Hz 224–224 Sine Wave strobe · Slow 1 Hz 225–229 Open 230–236 Burst strobe · Fast 20–11.9 Hz 237–243 Burst strobe · Medium 10.5–2.36 Hz 244–244 Burst strobe · Slow 1 Hz 245–255 Open
2	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open

RGBX All (continued)

Ch	Function	Default	DMX values
3	Effect	0	0–19 No Effect 20–39 White Single Segment Chase 40–59 White Double Segment Chase 60–79 Red Single Segment Chase 80–84 Green Single Segment Chase 85–89 Blue Single Segment Chase 90–94 Cyan Single Segment Chase 95–99 Magenta Single Segment Chase 100–104 Yellow Single Segment Chase 105–109 Red Double Segment Chase 110–114 Green Double Segment Chase 115–119 Blue Double Segment Chase 120–124 Cyan Double Segment Chase 125–129 Magenta Double Segment Chase 130–134 Yellow Double Segment Chase 135–139 Yellow Blue Pulse 140–144 Green Magenta Pulse 145–149 Red Cyan Pulse 150–154 Red Green Pulse 155–159 Red Blue Pulse 160–164 Red Flip 1 165–169 Red Flip 2 170–174 Green Flip 1 175–179 Green Flip 2 180–184 Blue Flip 1 185–189 Blue Flip 2 190–194 White Flip 1 195–199 White Flip 2 200–204 White Flicker Chase 205–209 Rising Pulse 210–214 White Flicker 215–219 Strobe Pulse 220–224 Single Segment Chase 225–229 Two Segment Chase 230–234 Double Horizontal Segment Chase 235–239 Double Vertical Segment Chase 240–244 Double Opposite Chase 245–255 Reserved For Future Use
4	Effect Speed	0	0–2 Stop 3–126 Clockwise Rotation 127–129 Stop 130–253 Counter-Clockwise Rotation 254–255 Stop
5	Effects1Fade	0	
6	Effects1Adjust1	0	

RGBX All (continued)

Ch	Function	Default	DMX values
7	Effect 2	0	0–19 No Effect 20–39 White Single Segment Chase 40–59 White Double Segment Chase 60–79 Red Single Segment Chase 80–84 Green Single Segment Chase 85–89 Blue Single Segment Chase 90–94 Cyan Single Segment Chase 95–99 Magenta Single Segment Chase 100–104 Yellow Single Segment Chase 105–109 Red Double Segment Chase 110–114 Green Double Segment Chase 115–119 Blue Double Segment Chase 120–124 Cyan Double Segment Chase 125–129 Magenta Double Segment Chase 130–134 Yellow Double Segment Chase 135–139 Yellow Blue Pulse 140–144 Green Magenta Pulse 145–149 Red Cyan Pulse 150–154 Red Green Pulse 155–159 Red Blue Pulse 160–164 Red Flip 1 165–169 Red Flip 2 170–174 Green Flip 1 175–179 Green Flip 2 180–184 Blue Flip 1 185–189 Blue Flip 2 190–194 White Flip 1 195–199 White Flip 2 200–204 White Flicker Chase 205–209 Rising Pulse 210–214 White Flicker 215–219 Strobe Pulse 220–224 Single Segment Chase 225–229 Two Segment Chase 230–234 Double Horizontal Segment Chase 235–239 Double Vertical Segment Chase 240–244 Double Opposite Chase 245–255 Reserved For Future Use
8	Effect Speed 2	0	0–2 Stop 3–126 Clockwise Rotation 127–129 Stop 130–253 Counter-Clockwise Rotation 254–255 Stop
9	Effects2Fade	0	
10	Effects2Adjust1	0	
11	Zoom	128	0–127 Wide 128–254 Medium 255–255 Narrow
12	Pan	128	
13	Pan Fine	0	Fine byte of Pan
14	Tilt	128	
15	Tilt Fine	0	Fine byte of Tilt

RGBX All (continued)

Ch	Function	Default	DMX values
16	Control1	0	0–9 Idle 10–14 Reset Entire Fixture 15–19 No Function 1 20–24 Reset Effects Only 25–29 No Function 2 30–34 Reset Pan Tilt Only 35–39 No Function 3 40–44 PTSP = NORM 45–49 PTSP = FAST 50–64 No Function 4 65–74 Fan Mode - Full 75–84 Fan Mode - Regulated 85–89 Fan Mode - Silent 90–94 No Function 5 95–104 Dimmer Curve = LIN 105–114 Dimmer Curve = SQR 115–124 Dimmer Curve = ISQR 125–129 Dimmer Curve = SCUR 130–249 No Function 6 250–255 Illuminate Display

RGBX All (continued)

Ch	Function	Default	DMX values
17	Color Wheel	0	0–9 Open (wheel slot 1) 10–14 Moroccan Pink (wheel slot 2) 15–19 Pink (wheel slot 3) 20–24 Special Rose Pink (wheel slot 4) 25–29 Follies Pink (wheel slot 5) 30–34 Fuchsia Pink (wheel slot 6) 35–39 Surprise Pink (wheel slot 7) 40–44 Congo Blue (wheel slot 8) 45–49 Tokyo Blue (wheel slot 9) 50–54 Deep Blue (wheel slot 10) 55–59 Just Blue (wheel slot 11) 60–64 Medium Blue (wheel slot 12) 65–69 Double CT Blue (wheel slot 13) 70–74 Slate Blue (wheel slot 14) 75–79 Full CT Blue (wheel slot 15) 80–84 Half CT Blue (wheel slot 16) 85–89 Steel Blue (wheel slot 17) 90–94 Lighter Blue (wheel slot 18) 95–99 Light Blue (wheel slot 19) 100–104 Medium Blue Green (wheel slot 20) 105–109 Dark Green (wheel slot 21) 110–114 Primary Green (wheel slot 22) 115–119 Moss Green (wheel slot 23) 120–124 Fern Green (wheel slot 24) 125–129 Jas Green (wheel slot 25) 130–134 Lime Green (wheel slot 26) 135–139 Spring Yellow (wheel slot 27) 140–144 Deep Amber (wheel slot 28) 145–149 Chrome Orange (wheel slot 29) 150–154 Orange (wheel slot 30) 155–159 Gold Amber (wheel slot 31) 160–164 Millennium Gold (wheel slot 32) 165–169 Deep Golden Amber (wheel slot 33) 170–174 Flame Red (wheel slot 34) 175–179 No Function 1 180–190 CW Max 191–200 CW Med 201–201 CW Min 202–207 Stop 208–217 CCW Min 218–228 CCW Med 229–229 CCW Max 230–234 No Function 2 235–241 Fast 242–248 Medium 249–249 Slow 250–255 No Function 3
18	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
19	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
20	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

RGBX All (continued)

Ch	Function	Default	DMX values
21	C TC	0	