Martin

MAC 550



Manufacturer	**Martin**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**21, 27 channels**
Beam angle	**14-30°**
Pan range	**540°**
Tilt range	**246°**
Size (W × H × D)	**300 × 300 × 200 mm**
GDTF fixture type	**2055CB84-C8FA-5BCF-9674-2F…**

Controls

Focus · Iris · Prism · Zoom · Colour wheel · Dimmer · Pan and tilt · Movement speed · Animation wheel · Gobos

Safety-relevant functions

Lamp on and off · Fixture reset · Built-in effect programmes

DMX modes

Basic	21 ch
Extended	27 ch

Basic

21 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	20	0–19 Shutter closed 20–49 Shutter open 50–72 Strobe, fast to slow 73–79 Shutter open 80–99 Opening pulse, fast to slow 100–119 Closing pulse, fast to slow 120–127 Shutter open 128–147 Random strobe, fast 148–167 Random strobe, medium 168–187 Random strobe, slow 188–190 Shutter open 191–193 Random opening pulse, fast 194–196 Random opening pulse, slow 197–199 Random closing pulse, fast 200–202 Random closing pulse, slow 203–207 Shutter open 208–217 Reset fixture 218–227 Shutter open 228–237 Lamp on 238–247 Shutter open 248–255 Lamp off
2	Dimmer	0	
3	Color Wheel	0	0–16 Open (wheel slot 1) 17–33 Red 308 (wheel slot 2) 34–50 Magenta 507 (wheel slot 3) 51–67 Purple 502 IAD (wheel slot 4) 68–84 Blue 104 (wheel slot 5) 85–101 Green 206 (wheel slot 6) 102–118 Yellow 601 (wheel slot 7) 119–135 Orange 306M (wheel slot 8) 136–152 Purple 509 (wheel slot 9) 153–153 Open (wheel slot 1) 154–158 Purple 509 (wheel slot 9) 159–163 Orange 306M (wheel slot 8) 164–168 Yellow 601 (wheel slot 7) 169–173 Green 206 (wheel slot 6) 174–178 Blue 104 (wheel slot 5) 179–183 Purple 502 IAD (wheel slot 4) 184–188 Magenta 507 (wheel slot 3) 189–193 Red 308 (wheel slot 2) 194–198 Open (wheel slot 1) 199–219 Continuous rotation: CW, fast to slow 220–240 Continuous rotation: CCW, slow to fast 241–245 Random color: Fast 246–250 Random color: Medium 251–255 Random color: Slow

Basic (continued)

Ch	Function	Default	DMX values
4	Color Wheel 2	0	0–16 Open (wheel slot 1) 17–33 Green 208 (wheel slot 2) 34–50 Blue 102 (wheel slot 3) 51–67 Pink 312 (wheel slot 4) 68–84 Red 301 (wheel slot 5) 85–101 Yellow 603 (wheel slot 6) 102–118 Half Minus Green (wheel slot 7) 119–135 CTC 5500-4200 (wheel slot 8) 136–152 CTC 3200-4100 (wheel slot 9) 153–153 Open (wheel slot 1) 154–158 CTC 3200-4100 (wheel slot 9) 159–163 CTC 5500-4200 (wheel slot 8) 164–168 Half Minus Green (wheel slot 7) 169–173 Yellow 603 (wheel slot 6) 174–178 Red 301 (wheel slot 5) 179–183 Pink 312 (wheel slot 4) 184–188 Blue 102 (wheel slot 3) 189–193 Green 208 (wheel slot 2) 194–198 Open (wheel slot 1) 199–219 Continuous rotation: CW, fast to slow 220–240 Continuous rotation: CCW, slow to fast 241–245 Random color: Fast 246–250 Random color: Medium 251–255 Random color: Slow
5	Gobo	0	0–11 Open (wheel slot 1) 12–15 Fire Sun (wheel slot 2) 16–19 Rotator (wheel slot 3) 20–23 Indigo Waves (wheel slot 4) 24–27 Limbo (wheel slot 5) 28–31 Water 4 (wheel slot 6) 32–35 Flames 6 (wheel slot 7) 36–39 Fire Sun (wheel slot 2) 40–43 Rotator (wheel slot 3) 44–47 Indigo Waves (wheel slot 4) 48–51 Limbo (wheel slot 5) 52–55 Water 4 (wheel slot 6) 56–59 Flames 6 (wheel slot 7) 60–71 Fire Sun (wheel slot 2) 72–83 Rotator (wheel slot 3) 84–95 Indigo Waves (wheel slot 4) 96–107 Limbo (wheel slot 5) 108–119 Water 4 (wheel slot 6) 120–143 Flames 6 (wheel slot 7) 144–155 Water 4 (wheel slot 6) 156–167 Limbo (wheel slot 5) 168–179 Indigo Waves (wheel slot 4) 180–191 Rotator (wheel slot 3) 192–203 Fire Sun (wheel slot 2) 204–229 Gobo scroll with continuous rotation: CW scroll, sl... 230–255 Gobo scroll with continuous rotation: CCW scroll, f...
6	Gobo Rotation	0	0–2 If indexed position is selected: Rotation angle, 0 - 395° 3–127 If continuous rotation is selected: CW, slow - fast 128–252 If continuous rotation is selected: CCW, fast - slow 253–255 If continuous rotation is selected: No rotation
7	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Basic (continued)

Ch	Function	Default	DMX values
8	Gobo 2	0	0–10 Open (wheel slot 1) 11–21 Crackle (wheel slot 2) 22–32 Triangles 2 (wheel slot 3) 33–43 Tye Dye (wheel slot 4) 44–54 Splodge (wheel slot 5) 55–65 Ninestar (wheel slot 6) 66–76 Bio (wheel slot 7) 77–87 Leaf Breakup (Medium) (wheel slot 8) 88–98 Zig Zags (wheel slot 9) 99–109 Two Tone (wheel slot 10) 110–112 Open (wheel slot 1) 113–121 Two Tone (wheel slot 10) 122–130 Zig Zags (wheel slot 9) 131–139 Leaf Breakup (Medium) (wheel slot 8) 140–148 Bio (wheel slot 7) 149–157 Ninestar (wheel slot 6) 158–166 Splodge (wheel slot 5) 167–175 Tye Dye (wheel slot 4) 176–184 Triangles 2 (wheel slot 3) 185–193 Crackle (wheel slot 2) 194–202 Open (wheel slot 1) 203–221 Continuous rotation: CW, fast - slow 222–240 Continuous rotation: CCW, slow - fast 241–245 Random gobo: Fast 246–250 Random gobo: Medium 251–255 Random gobo: Slow
9	Effect	0	0–15 No macro 16–55 Gobo wheel 2, shake, slow - fast 56–95 Color wheel 1, shake, slow - fast 96–135 Color wheel 2, shake, slow - fast 136–175 Gobo wheel 2 and color 1, shake, slow - fast 176–215 Gobo wheel 2 and color 2, shake, slow - fast 216–255 Gobo wheel 2, color 1, and color 2, shake, slow - fast
10	Animation Wheel1	0	0–9 Open 10–19 Vertical indexed position 20–29 Horizontal indexed position 30–39 Vertical continuous rotation 40–49 Horizontal continuous rotation 50–139 Angled indexed position, vertical to horizontal 140–229 Angled continuous rotation, horizontal to vertical 230–235 Open 236–239 Animation macros: Macro 1 240–243 Animation macros: Macro 2 244–247 Animation macros: Macro 3 248–251 Animation macros: Macro 4 252–255 Animation macros: Macro 5
11	Animation Wheel1Pos Rotate	0	0–2 If indexed position is selected: rotation angle, min.- ma... 3–127 If indexed position is selected: rotation angle, min.- ... 128–252 If indexed position is selected: rotation angle, min.... 253–255 If indexed position is selected: rotation angle, min....

Basic (continued)

Ch	Function	Default	DMX values
12	Prism	0	0–19 Prism out (wheel slot 1) 20–79 Rotation: Prism in, CCW rotation, fast - slow 80–89 3-facet prism (wheel slot 2) 90–149 Rotation: Prism in, CW rotation, slow - fast 150–215 Prism out (wheel slot 1) 216–220 Prism Macros: Macro 1 221–225 Prism Macros: Macro 2 226–230 Prism Macros: Macro 3 231–235 Prism Macros: Macro 4 236–240 Prism Macros: Macro 5 241–245 Prism Macros: Macro 6 246–250 Prism Macros: Macro 7 251–255 Prism Macros: Macro 8
13	Iris	0	0–199 Coarse diameter (MSB), open - closed 200–215 Closed 216–229 Opening pulse, fast - slow 230–243 Closing pulse, fast - slow 244–246 Fast random opening pulse 247–249 Slow random opening pulse 250–252 Fast random closing pulse 253–255 Slow random closing pulse
14	Focus	0	
15	Zoom	0	
16	Pan	128	
17	Pan Fine	0	Fine byte of Pan
18	Tilt	128	
19	Tilt Fine	0	Fine byte of Tilt
20	Position MSpeed	0	0–2 Tracking 3–242 Fast - slow 243–245 Tracking, PTSP SLOW (menu override) 246–248 Tracking, PTSP NORM (menu override) 249–251 Tracking, PTSP FAST (menu override) 252–255 Blackout while moving
21	Global MSpeed	0	0–2 Tracking 3–245 Fast - slow (dimmer, animation, zoom, focus, color, g… 246–248 Tracking; color and gobo selection SCUT OFF (men… 249–251 Tracking; color and gobo selection SCUT ON (men… 252–255 Maximum speed (dimmer, animation, zoom, focus…

Extended

27 channels

Ch	Function	Default	DMX values

Extended (continued)

Ch	Function	Default	DMX values
1	Shutter / Strobe	20	0–19 Shutter closed 20–49 Shutter open 50–72 Strobe, fast to slow 73–79 Shutter open 80–99 Opening pulse, fast to slow 100–119 Closing pulse, fast to slow 120–127 Shutter open 128–147 Random strobe, fast 148–167 Random strobe, medium 168–187 Random strobe, slow 188–190 Shutter open 191–193 Random opening pulse, fast 194–196 Random opening pulse, slow 197–199 Random closing pulse, fast 200–202 Random closing pulse, slow 203–207 Shutter open 208–217 Reset fixture 218–227 Shutter open 228–237 Lamp on 238–247 Shutter open 248–255 Lamp off
2	Dimmer	0	
3	Dimmer Fine	0	Fine byte of Dimmer
4	Color Wheel	0	0–16 Open (wheel slot 1) 17–33 Red 308 (wheel slot 2) 34–50 Magenta 507 (wheel slot 3) 51–67 Purple 502 IAD (wheel slot 4) 68–84 Blue 104 (wheel slot 5) 85–101 Green 206 (wheel slot 6) 102–118 Yellow 601 (wheel slot 7) 119–135 Orange 306M (wheel slot 8) 136–152 Purple 509 (wheel slot 9) 153–153 Open (wheel slot 1) 154–158 Purple 509 (wheel slot 9) 159–163 Orange 306M (wheel slot 8) 164–168 Yellow 601 (wheel slot 7) 169–173 Green 206 (wheel slot 6) 174–178 Blue 104 (wheel slot 5) 179–183 Purple 502 IAD (wheel slot 4) 184–188 Magenta 507 (wheel slot 3) 189–193 Red 308 (wheel slot 2) 194–198 Open (wheel slot 1) 199–219 Continuous rotation: CW, fast to slow 220–240 Continuous rotation: CCW, slow to fast 241–245 Random color: Fast 246–250 Random color: Medium 251–255 Random color: Slow
5	Color Wheel Fine	0	Fine byte of Color Wheel

Extended (continued)

Ch	Function	Default	DMX values
6	Color Wheel 2	0	0–16 Open (wheel slot 1) 17–33 Green 208 (wheel slot 2) 34–50 Blue 102 (wheel slot 3) 51–67 Pink 312 (wheel slot 4) 68–84 Red 301 (wheel slot 5) 85–101 Yellow 603 (wheel slot 6) 102–118 Half Minus Green (wheel slot 7) 119–135 CTC 5500-4200 (wheel slot 8) 136–152 CTC 3200-4100 (wheel slot 9) 153–153 Open (wheel slot 1) 154–158 CTC 3200-4100 (wheel slot 9) 159–163 CTC 5500-4200 (wheel slot 8) 164–168 Half Minus Green (wheel slot 7) 169–173 Yellow 603 (wheel slot 6) 174–178 Red 301 (wheel slot 5) 179–183 Pink 312 (wheel slot 4) 184–188 Blue 102 (wheel slot 3) 189–193 Green 208 (wheel slot 2) 194–198 Open (wheel slot 1) 199–219 Continuous rotation: CW, fast to slow 220–240 Continuous rotation: CCW, slow to fast 241–245 Random color: Fast 246–250 Random color: Medium 251–255 Random color: Slow
7	Color Wheel 2 Fine	0	Fine byte of Color Wheel 2
8	Gobo	0	0–11 Open (wheel slot 1) 12–15 Fire Sun (wheel slot 2) 16–19 Rotator (wheel slot 3) 20–23 Indigo Waves (wheel slot 4) 24–27 Limbo (wheel slot 5) 28–31 Water 4 (wheel slot 6) 32–35 Flames 6 (wheel slot 7) 36–39 Fire Sun (wheel slot 2) 40–43 Rotator (wheel slot 3) 44–47 Indigo Waves (wheel slot 4) 48–51 Limbo (wheel slot 5) 52–55 Water 4 (wheel slot 6) 56–59 Flames 6 (wheel slot 7) 60–71 Fire Sun (wheel slot 2) 72–83 Rotator (wheel slot 3) 84–95 Indigo Waves (wheel slot 4) 96–107 Limbo (wheel slot 5) 108–119 Water 4 (wheel slot 6) 120–143 Flames 6 (wheel slot 7) 144–155 Water 4 (wheel slot 6) 156–167 Limbo (wheel slot 5) 168–179 Indigo Waves (wheel slot 4) 180–191 Rotator (wheel slot 3) 192–203 Fire Sun (wheel slot 2) 204–229 Gobo scroll with continuous rotation: CW scroll, sl… 230–255 Gobo scroll with continuous rotation: CCW scroll, f…
9	Gobo Rotation	0	0–2 If indexed position is selected: Rotation angle, 0 - 395° 3–127 If continuous rotation is selected: CW, slow - fast 128–252 If continuous rotation is selected: CCW, fast - slow 253–255 If continuous rotation is selected: No rotation
10	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended (continued)

Ch	Function	Default	DMX values
11	Gobo 2	0	0–10 Open (wheel slot 1) 11–21 Crackle (wheel slot 2) 22–32 Triangles 2 (wheel slot 3) 33–43 Tye Dye (wheel slot 4) 44–54 Splodge (wheel slot 5) 55–65 Ninestar (wheel slot 6) 66–76 Bio (wheel slot 7) 77–87 Leaf Breakup (Medium) (wheel slot 8) 88–98 Zig Zags (wheel slot 9) 99–109 Two Tone (wheel slot 10) 110–112 Open (wheel slot 1) 113–121 Two Tone (wheel slot 10) 122–130 Zig Zags (wheel slot 9) 131–139 Leaf Breakup (Medium) (wheel slot 8) 140–148 Bio (wheel slot 7) 149–157 Ninestar (wheel slot 6) 158–166 Splodge (wheel slot 5) 167–175 Tye Dye (wheel slot 4) 176–184 Triangles 2 (wheel slot 3) 185–193 Crackle (wheel slot 2) 194–202 Open (wheel slot 1) 203–221 Continuous rotation: CW, fast - slow 222–240 Continuous rotation: CCW, slow - fast 241–245 Random gobo: Fast 246–250 Random gobo: Medium 251–255 Random gobo: Slow
12	Effect	0	0–15 No macro 16–55 Gobo wheel 2, shake, slow - fast 56–95 Color wheel 1, shake, slow - fast 96–135 Color wheel 2, shake, slow - fast 136–175 Gobo wheel 2 and color 1, shake, slow - fast 176–215 Gobo wheel 2 and color 2, shake, slow - fast 216–255 Gobo wheel 2, color 1, and color 2, shake, slow - fast
13	Animation Wheel1	0	0–9 Open 10–19 Vertical indexed position 20–29 Horizontal indexed position 30–39 Vertical continuous rotation 40–49 Horizontal continuous rotation 50–139 Angled indexed position, vertical to horizontal 140–229 Angled continuous rotation, horizontal to vertical 230–235 Open 236–239 Animation macros: Macro 1 240–243 Animation macros: Macro 2 244–247 Animation macros: Macro 3 248–251 Animation macros: Macro 4 252–255 Animation macros: Macro 5
14	Animation Wheel1Pos Rotate	0	0–2 If indexed position is selected: rotation angle, min.- ma... 3–127 If indexed position is selected: rotation angle, min.- ... 128–252 If indexed position is selected: rotation angle, min.... 253–255 If indexed position is selected: rotation angle, min....

Extended (continued)

Ch	Function	Default	DMX values
15	Prism	0	0–19 Prism out (wheel slot 1) 20–79 Rotation: Prism in, CCW rotation, fast - slow 80–89 3-facet prism (wheel slot 2) 90–149 Rotation: Prism in, CW rotation, slow - fast 150–215 Prism out (wheel slot 1) 216–220 Prism Macros: Macro 1 221–225 Prism Macros: Macro 2 226–230 Prism Macros: Macro 3 231–235 Prism Macros: Macro 4 236–240 Prism Macros: Macro 5 241–245 Prism Macros: Macro 6 246–250 Prism Macros: Macro 7 251–255 Prism Macros: Macro 8
16	Iris	0	0–199 Coarse diameter (MSB), open - closed 200–215 Closed 216–229 Opening pulse, fast - slow 230–243 Closing pulse, fast - slow 244–246 Fast random opening pulse 247–249 Slow random opening pulse 250–252 Fast random closing pulse 253–255 Slow random closing pulse
17	Iris Fine	0	Fine byte of Iris
18	Focus	0	
19	Focus Fine	0	Fine byte of Focus
20	Zoom	0	
21	Zoom Fine	0	Fine byte of Zoom
22	Pan	128	
23	Pan Fine	0	Fine byte of Pan
24	Tilt	128	
25	Tilt Fine	0	Fine byte of Tilt
26	Position MSpeed	0	0–2 Tracking 3–242 Fast - slow 243–245 Tracking, PTSP SLOW (menu override) 246–248 Tracking, PTSP NORM (menu override) 249–251 Tracking, PTSP FAST (menu override) 252–255 Blackout while moving
27	Global MSpeed	0	0–2 Tracking 3–245 Fast - slow (dimmer, animation, zoom, focus, color, g… 246–248 Tracking; color and gobo selection SCUT OFF (men… 249–251 Tracking; color and gobo selection SCUT ON (men… 252–255 Maximum speed (dimmer, animation, zoom, focus…

Fixture model: gdtf-martin-mac-550-2611090801
Original HitLight geometry, scripted locally by the HitLight fixture agent from published dimensions and product photographs. No manufacture…
Creator: HitLight