Martin Professional

MAC 700 Profile



Manufacturer	**Martin Professional**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**23, 31 channels**
Beam angle	**14-30°**
Pan range	**540°**
Tilt range	**246°**
Size (W × H × D)	**287 × 423 × 250 mm**
GDTF fixture type	**43828D58-2696-4487-A20F-C7…**

Controls

Focus · Iris · Prism · Zoom · CMY colour mixing · Colour wheel · Dimmer · Movement speed · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

16 Bit Basic Mode	23 ch
16 Bit Extended Mode	31 ch

16 Bit Basic Mode

23 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	76	0–19 Closed 20–49 Open 50–60 Strobe · Srobe Fast 15–8.41 Hz 61–71 Strobe Med 72–72 Strobe Slow 73–79 Open 80–89 PulseOpen Fast 90–98 PulseOpen Med 99–99 PulseOpen Slow 100–109 PulseClose Fast 110–118 PulseClose Med 119–119 PulseClose Slow 120–127 Open 128–157 RNDStrobe Fast 158–186 RNDStrobe Med 187–187 RNDStrobe Slow 188–190 Open 191–193 RNDPulseOpen Fast 194–195 RNDPulseOpen Med 196–196 RNDPulseOpen Slow 197–199 RNDPulseClose Fast 200–201 RNDPulseClose Med 202–202 RNDPulseClose Slow 203–207 Open 208–217 Reset 218–227 Open 228–237 LAMP ON 238–242 400W 243–247 700W 249–255 LAMP OFF
2	Dimmer	0	0–254 Closed 255–255 Open
3	Cyan	0	
4	Magenta	0	
5	Yellow	0	
6	Color Wheel	0	0–8 Open (wheel slot 1) 9–25 Blue 111 (wheel slot 2) 26–42 Green 206 (wheel slot 3) 43–59 Pink 312 (wheel slot 4) 60–76 Orange 306M (wheel slot 5) 77–93 CTC 1/2 minus green (wheel slot 6) 94–110 CTC 3200-4100K (wheel slot 7) 111–127 CTC 5500-2800K (wheel slot 8) 128–144 Red 308 (wheel slot 9) 145–153 Open (wheel slot 1) 154–158 Red 308 (wheel slot 9) 159–163 CTC 5500-2800K (wheel slot 8) 164–168 CTC 3200-4100K (wheel slot 7) 169–173 CTC 1/2 minus green (wheel slot 6) 174–178 Orange 306M (wheel slot 5) 179–183 Pink 312 (wheel slot 4) 184–188 Green 206 (wheel slot 3) 189–193 Blue 111 (wheel slot 2) 194–198 Open (wheel slot 1) 199–219 Spin CW 220–240 Spin CCW 241–245 RND Fast 246–250 RND Med 251–255 RND Slow

16 Bit Basic Mode (continued)

Ch	Function	Default	DMX values
7	Gobo	0	0–11 Open (wheel slot 1) 12–15 Spiral (wheel slot 2) 16–19 Radial Circles (wheel slot 3) 20–23 Red Yellow (wheel slot 4) 24–27 Milky Way (wheel slot 5) 28–31 Water (wheel slot 6) 32–35 Pommes (wheel slot 7) 36–39 Spiral (wheel slot 2) 40–43 Radial Circles (wheel slot 3) 44–47 Red Yellow (wheel slot 4) 48–51 Milky Way (wheel slot 5) 52–55 Water (wheel slot 6) 56–59 Pommes (wheel slot 7) 60–71 Spiral (wheel slot 2) 72–83 Radial Circles (wheel slot 3) 84–95 Red Yellow (wheel slot 4) 96–107 Milky Way (wheel slot 5) 108–119 Water (wheel slot 6) 120–143 Pommes (wheel slot 7) 144–155 Water (wheel slot 6) 156–167 Milky Way (wheel slot 5) 168–179 Red Yellow (wheel slot 4) 180–191 Radial Circles (wheel slot 3) 192–203 Spiral (wheel slot 2) 204–229 CW Fast to Slow 230–255 CCW Slow to Fast
8	Gobo1Wheel Index	0	0–2 0 Deg 3–127 CW Slow to Fast 128–252 CCW Fast to Slow 253–255 No Rotation
9	Gobo1Wheel Index Fine	0	Fine byte of Gobo1Wheel Index
10	Gobo 2	0	0–5 Open (wheel slot 1) 6–16 Crackle (wheel slot 2) 17–27 Triangles (wheel slot 3) 28–38 Cone (wheel slot 4) 39–49 Globo (wheel slot 5) 50–60 Worms (wheel slot 6) 61–71 Bio (wheel slot 7) 72–82 Leaf Breakup (wheel slot 8) 83–93 Whirlpool (wheel slot 9) 94–104 Phones (wheel slot 10) 105–112 Open (wheel slot 1) 113–121 Phones (wheel slot 10) 122–130 Whirlpool (wheel slot 9) 131–139 Leaf Breakup (wheel slot 8) 140–148 Bio (wheel slot 7) 149–157 Worms (wheel slot 6) 158–166 Globo (wheel slot 5) 167–175 Cone (wheel slot 4) 176–184 Triangles (wheel slot 3) 185–193 Crackle (wheel slot 2) 194–202 Open (wheel slot 1) 203–221 Spin CW 222–240 Spin CCW 241–245 RND Fast 246–250 RND Med 251–255 RND Slow
11	Dummy	0	

16 Bit Basic Mode (continued)

Ch	Function	Default	DMX values
12	Animation Wheel1	0	0–9 Open (wheel slot 1) 10–19 Horizontal Index (wheel slot 2) 20–29 Vertical Index (wheel slot 2) 30–39 Horizontal Spin (wheel slot 2) 40–49 Vertical Spin (wheel slot 2) 50–139 Hor to Vert Index (wheel slot 2) 140–229 Vert to Hor Spin (wheel slot 2) 230–255 Open (wheel slot 1)
13	Animation Wheel1Pos	0	0–2 0 Deg 3–127 CCW Slow to Fast 128–252 CW Fast to Slow 253–255 No Rotation
14	Prism	0	0–19 No Prism (wheel slot 1) 20–20 CCW Slow (wheel slot 2) 21–78 CCW Slow to Fast (wheel slot 2) 79–79 CCW Fast (wheel slot 2) 80–89 Stop (wheel slot 2) 90–90 CW Fast (wheel slot 2) 91–148 CW Fast to Slow (wheel slot 2) 149–149 CW Slow (wheel slot 2) 150–255 No Prism (wheel slot 1)
15	Iris	0	0–199 Open 200–215 Closed 216–228 PulseOpen Fast 229–229 PulseOpen Slow 230–242 PulseClose Fast 243–243 PulseClose Slow 244–248 RND PulseOpen Fast 249–249 RND PulseOpen Slow 250–254 RND PulseClose Fast 255–255 RND PulseClose Slow
16	Focus	127	0–254 Far 255–255 Near
17	Zoom	127	0–126 Wide 127–254 Medium 255–255 Narrow
18	Pan	128	
19	Pan Fine	0	Fine byte of Pan
20	Tilt	128	
21	Tilt Fine	0	Fine byte of Tilt
22	Position MSpeed	0	0–2 Tracking 3–242 Fast to Slow 243–245 PTSP = Slow 246–248 PTSP = Norm 249–251 PTSP = Fast 252–255 Move in Black
23	Intensity MSpeed	0	0–2 Tracking 100% 3–244 Tracking 100% to 1% 245–245 Tracking 1% 246–248 SCUT = OFF 249–251 SCUT = ON 252–255 Move in Black

16 Bit Extended Mode

31 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	34	0–19 Closed 20–49 Open 50–60 Strobe · Srobe Fast 15–8.41 Hz 61–71 Strobe Med 72–72 Strobe Slow 73–79 Open 80–89 PulseOpen Fast 90–98 PulseOpen Med 99–99 PulseOpen Slow 100–109 PulseClose Fast 110–118 PulseClose Med 119–119 PulseClose Slow 120–127 Open 128–157 RNDStrobe Fast 158–186 RNDStrobe Med 187–187 RNDStrobe Slow 188–190 Open 191–193 RNDPulseOpen Fast 194–195 RNDPulseOpen Med 196–196 RNDPulseOpen Slow 197–199 RNDPulseClose Fast 200–201 RNDPulseClose Med 202–202 RNDPulseClose Slow 203–207 Open 208–217 Reset 218–227 Open 228–237 LAMP ON 238–242 400W 243–247 700W 249–255 LAMP OFF
2	Dimmer	0	0–254 Closed 255–255 Open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Cyan	0	
5	Cyan Fine	0	Fine byte of Cyan
6	Magenta	0	
7	Magenta Fine	0	Fine byte of Magenta
8	Yellow	0	
9	Yellow Fine	0	Fine byte of Yellow

16 Bit Extended Mode (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–8 Open (wheel slot 1) 9–25 Blue 111 (wheel slot 2) 26–42 Green 206 (wheel slot 3) 43–59 Pink 312 (wheel slot 4) 60–76 Orange 306M (wheel slot 5) 77–93 CTC 1/2 minus green (wheel slot 6) 94–110 CTC 3200-4100K (wheel slot 7) 111–127 CTC 5500-2800K (wheel slot 8) 128–144 Red 308 (wheel slot 9) 145–153 Open (wheel slot 1) 154–158 Red 308 (wheel slot 9) 159–163 CTC 5500-2800K (wheel slot 8) 164–168 CTC 3200-4100K (wheel slot 7) 169–173 CTC 1/2 minus green (wheel slot 6) 174–178 Orange 306M (wheel slot 5) 179–183 Pink 312 (wheel slot 4) 184–188 Green 206 (wheel slot 3) 189–193 Blue 111 (wheel slot 2) 194–198 Open (wheel slot 1) 199–219 Spin CW 220–240 Spin CCW 241–245 RND Fast 246–250 RND Med 251–255 RND Slow
11	Color Wheel Fine	0	Fine byte of Color Wheel
12	Gobo	0	0–11 Open (wheel slot 1) 12–15 Spiral (wheel slot 2) 16–19 Radial Circles (wheel slot 3) 20–23 Red Yellow (wheel slot 4) 24–27 Milky Way (wheel slot 5) 28–31 Water (wheel slot 6) 32–35 Pommes (wheel slot 7) 36–39 Spiral (wheel slot 2) 40–43 Radial Circles (wheel slot 3) 44–47 Red Yellow (wheel slot 4) 48–51 Milky Way (wheel slot 5) 52–55 Water (wheel slot 6) 56–59 Pommes (wheel slot 7) 60–71 Spiral (wheel slot 2) 72–83 Radial Circles (wheel slot 3) 84–95 Red Yellow (wheel slot 4) 96–107 Milky Way (wheel slot 5) 108–119 Water (wheel slot 6) 120–143 Pommes (wheel slot 7) 144–155 Water (wheel slot 6) 156–167 Milky Way (wheel slot 5) 168–179 Red Yellow (wheel slot 4) 180–191 Radial Circles (wheel slot 3) 192–203 Spiral (wheel slot 2) 204–229 CW Fast to Slow 230–255 CCW Slow to Fast
13	Gobo1Wheel Index	0	0–2 0 Deg 3–127 CW Slow to Fast 128–252 CCW Fast to Slow 253–255 No Rotation
14	Gobo1Wheel Index Fine	0	Fine byte of Gobo1Wheel Index

16 Bit Extended Mode (continued)

Ch	Function	Default	DMX values
15	Gobo 2	0	0–5 Open (wheel slot 1) 6–16 Crackle (wheel slot 2) 17–27 Triangles (wheel slot 3) 28–38 Cone (wheel slot 4) 39–49 Globo (wheel slot 5) 50–60 Worms (wheel slot 6) 61–71 Bio (wheel slot 7) 72–82 Leaf Breakup (wheel slot 8) 83–93 Whirlpool (wheel slot 9) 94–104 Phones (wheel slot 10) 105–112 Open (wheel slot 1) 113–121 Phones (wheel slot 10) 122–130 Whirlpool (wheel slot 9) 131–139 Leaf Breakup (wheel slot 8) 140–148 Bio (wheel slot 7) 149–157 Worms (wheel slot 6) 158–166 Globo (wheel slot 5) 167–175 Cone (wheel slot 4) 176–184 Triangles (wheel slot 3) 185–193 Crackle (wheel slot 2) 194–202 Open (wheel slot 1) 203–221 Spin CW 222–240 Spin CCW 241–245 RND Fast 246–250 RND Med 251–255 RND Slow
16	Dummy	0	
17	Animation Wheel1	0	0–9 Open (wheel slot 1) 10–19 Horizontal Index (wheel slot 2) 20–29 Vertical Index (wheel slot 2) 30–39 Horizontal Spin (wheel slot 2) 40–49 Vertical Spin (wheel slot 2) 50–139 Hor to Vert Index (wheel slot 2) 140–229 Vert to Hor Spin (wheel slot 2) 230–255 Open (wheel slot 1)
18	Animation Wheel1Pos	0	0–2 0 Deg 3–127 CCW Slow to Fast 128–252 CW Fast to Slow 253–255 No Rotation
19	Prism	0	0–19 No Prism (wheel slot 1) 20–20 CCW Slow (wheel slot 2) 21–78 CCW Slow to Fast (wheel slot 2) 79–79 CCW Fast (wheel slot 2) 80–89 Stop (wheel slot 2) 90–90 CW Fast (wheel slot 2) 91–148 CW Fast to Slow (wheel slot 2) 149–149 CW Slow (wheel slot 2) 150–255 No Prism (wheel slot 1)
20	Iris	0	0–199 Open 200–215 Closed 216–228 PulseOpen Fast 229–229 PulseOpen Slow 230–242 PulseClose Fast 243–243 PulseClose Slow 244–248 RND PulseOpen Fast 249–249 RND PulseOpen Slow 250–254 RND PulseClose Fast 255–255 RND PulseClose Slow
21	Iris Fine	0	Fine byte of Iris

16 Bit Extended Mode (continued)

Ch	Function	Default	DMX values
22	Focus	127	0–254 Far 255–255 Near
23	Focus Fine	255	Fine byte of Focus
24	Zoom	127	0–126 Wide 127–254 Medium 255–255 Narrow
25	Zoom Fine	255	Fine byte of Zoom
26	Pan	128	
27	Pan Fine	0	Fine byte of Pan
28	Tilt	128	
29	Tilt Fine	0	Fine byte of Tilt
30	Position MSpeed	0	0–2 Tracking 3–242 Fast to Slow 243–245 PTSP = Slow 246–248 PTSP = Norm 249–251 PTSP = Fast 252–255 Move in Black
31	Intensity MSpeed	0	0–2 Tracking 100% 3–244 Tracking 100% to 1% 245–245 Tracking 1% 246–248 SCUT = OFF 249–251 SCUT = ON 252–255 Move in Black