Martin Professional

MAC Encore Performance CLD



Manufacturer	**Martin Professional**
Type	**Profile spot**
DMX modes	**1**
DMX footprint	**38 channels**
Beam angle	**8.9-37.6°**
Pan range	**540°**
Tilt range	**268°**
Size (W × H × D)	**335 × 544 × 302 mm**
GDTF fixture type	**49428AC8-8B25-44A8-B009-D5…**

Controls

Focus · Frost · Iris · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pan and tilt · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Built-in effect programmes

DMX modes

Basic 38 ch

Basic

38 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	30	0–19 Closed 20–49 Open 50–124 Strobe · Slow 1–10.4 Hz 125–199 Strobe · Medium 10.5–19.9 Hz 200–200 Strobe · Fast 20 Hz 201–210 Open 211–232 Strobe Random · Slow 1–10.1 Hz 233–254 Strobe Random · Medium 10.5–19.6 Hz 255–255 Strobe Random · Fast 20 Hz
2	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Cyan	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
5	Magenta	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
6	Yellow	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
7	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
8	Color Wheel	0	0–6 Open (wheel slot 1) 7–20 Blue (wheel slot 2) 21–34 Green (wheel slot 3) 35–48 Orange (wheel slot 4) 49–62 Deep Magenta (wheel slot 5) 63–76 Congo Blue (wheel slot 6) 77–90 Red (wheel slot 7) 91–104 Open (wheel slot 1) 105–160 No Function 161–163 Blue (wheel slot 2) 164–166 Greeen (wheel slot 3) 167–169 Orange (wheel slot 4) 170–172 Deep Magenta (wheel slot 5) 173–175 Congo Blue (wheel slot 6) 176–178 Red (wheel slot 7) 179–192 Open (wheel slot 1) 193–202 CW Max 203–213 CW Med 214–214 CW Min 215–221 Stop 222–232 CCW Min 233–242 CCW Med 243–243 CCW Max 244–248 Fast 249–254 Medium 255–255 Slow
9	Gobo	0	0–9 Open (wheel slot 1) 10–14 Gobo 1 (wheel slot 2) 15–19 Gobo 2 (wheel slot 3) 20–24 Gobo 3 (wheel slot 4) 25–29 Gobo 4 (wheel slot 5) 30–34 Gobo 5 (wheel slot 6) 35–39 Gobo 1 (wheel slot 2) 40–44 Gobo 2 (wheel slot 3) 45–49 Gobo 3 (wheel slot 4) 50–54 Gobo 4 (wheel slot 5) 55–59 Gobo 5 (wheel slot 6) 60–89 Gobo 1 (wheel slot 2) 90–119 Gobo 2 (wheel slot 3) 120–149 Gobo 3 (wheel slot 4) 150–179 Gobo 4 (wheel slot 5) 180–209 Gobo 5 (wheel slot 6) 210–220 CW Max 221–231 CW Med 232–232 CW Min 233–243 CCW Min 244–254 CCW Med 255–255 CCW Max
10	Gobo Rotation	128	0–1 -180 deg 2–62 CW Max 63–63 CW Med 64–124 -90 deg 125–127 CW Min 128–189 0 deg 190–191 CCW Med 192–251 90 deg 252–254 CCW Max 255–255 180 deg
11	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Basic (continued)

Ch	Function	Default	DMX values
12	Animation Wheel1	0	0–5 Open (wheel slot 1) 6–10 Horizontal Indexing (wheel slot 2) 11–15 Horizontal Rotation (wheel slot 2) 16–20 Vertical Rotation (wheel slot 2) 21–25 Vertical Indexing (wheel slot 2) 26–26 Angled Rotation Out (wheel slot 1) 27–59 Angled Rotation Inserting (wheel slot 2) 60–60 Angled Rotation Horizontal (wheel slot 2) 61–109 Angled Rotation Diagonal (wheel slot 2) 110–110 Angled Rotation Vertical (wheel slot 2) 111–111 Angled Indexing Vertical (wheel slot 2) 112–198 Angled Indexing Diagonal (wheel slot 2) 199–199 Angled Indexing Horizontal (wheel slot 2) 200–254 Angled Indexing Inserting (wheel slot 2) 255–255 Angled Indexing Out (wheel slot 1)
13	Animation Wheel1Pos	128	0–2 180 deg 3–63 CW Max 64–125 90 deg 126–126 CW Min 127–127 Stop 128–129 0 deg 130–191 CCW Min 192–252 -90 deg 253–253 CCW Max 254–254 Stop 90 255–255 -180 deg
14	Frost1	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Full
15	Iris	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Closed
16	Zoom	128	0–127 Wide 128–254 Medium 255–255 Narrow
17	Zoom Fine	0	Fine byte of Zoom
18	Focus	128	0–127 Far 128–254 Medium 255–255 Near
19	Focus Fine	0	Fine byte of Focus
20	Blade4A	0	0–127 Min 128–254 Med 255–255 Max
21	Blade4Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
22	Blade3A	0	0–127 Min 128–254 Med 255–255 Max
23	Blade3Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max

Basic (continued)

Ch	Function	Default	DMX values
24	Blade2A	0	0–127 Min 128–254 Med 255–255 Max
25	Blade2Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
26	Blade1A	0	0–127 Min 128–254 Med 255–255 Max
27	Blade1Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
28	Shaper Rot	128	0–127 CCW Max 128–254 Parallel 255–255 CW Max
29	Pan	128	
30	Pan Fine	0	Fine byte of Pan
31	Tilt	128	
32	Tilt Fine	0	Fine byte of Tilt
33	Control1	0	

Basic (continued)

Ch	Function	Default	DMX values
34	Effect	0	0–0 No Effect 1–1 Gobo X-Fade 2–2 Stepper Motor 3–5 No Function 1 6–6 LED Frequency 7–7 No Function 2 8–8 Tick Tick Tick 9–9 Tick Tock 10–10 Wave 11–11 Step 12–12 Pulse 13–13 2x Strobe 14–14 3x Strobe 15–15 Up Down Flash 16–16 Up Flash Down Flash 17–20 Random Levels 21–21 Electric Arc 22–22 Atomic Lighting 23–23 Thunderstorm 24–24 Welding 25–29 No Function 3 30–30 Stop Motion 31–31 Movie Flicker 32–32 Cross Chase 33–33 Random Dimmers 34–34 Shakey Dimmers 35–35 Center Out Chase 36–36 Negative Pulse 37–37 Positive Pulse 38–38 Rings In Out 39–39 No Function 4 40–40 Random Color Wave 41–49 Random Color Step 50–50 Rainbow Wave 51–51 Rainbow Step 52–52 Rainbow Pulse 53–53 RGB Wave 54–54 RGB Step 55–55 RGB Pulse 56–56 CMY Wave 57–57 CMY Step 58–58 CMY Pulse 59–59 Mix to White Wave 60–60 Mix to White Step 61–61 Mix to White Pulse 62–62 Random Bold 63–63 Random Mix Step 64–64 Random Mix Pulse 65–65 Random Subtle 66–66 RedWhiteBlue Wave 67–69 RedWhiteBlue Step 70–70 Color Wheel Full Step 71–71 Color Wheel All Step 72–72 Color Wheel Split Step 73–73 Color Wheel Random Split Step 74–74 Color Wheel Shaker 75–75 Fire 76–76 Water 77–77 Ice 78–78 Hot and Cold 79–79 Warm and Fuzzy 80–80 Iris Ramp 81–81 Iris Step 82–82 Iris Pulse

Basic (continued)

Ch	Function	Default	DMX values
35	Effect Speed	128	0–63 Rev Max 64–125 Rev Med 126–126 Rev Min 127–128 Stop 129–191 Fwd Min 192–254 Fwd Med 255–255 Fwd Max

Basic (continued)

Ch	Function	Default	DMX values
36	Effect 2	0	0–0 No Effect 1–1 Gobo X-Fade 2–2 Stepper Motor 3–5 No Function 1 6–6 LED Frequency 7–7 No Function 2 8–8 Tick Tick Tick 9–9 Tick Tock 10–10 Wave 11–11 Step 12–12 Pulse 13–13 2x Strobe 14–14 3x Strobe 15–15 Up Down Flash 16–16 Up Flash Down Flash 17–20 Random Levels 21–21 Electric Arc 22–22 Atomic Lighting 23–23 Thunderstorm 24–24 Welding 25–29 No Function 3 30–30 Stop Motion 31–31 Movie Flicker 32–32 Cross Chase 33–33 Random Dimmers 34–34 Shakey Dimmers 35–35 Center Out Chase 36–36 Negative Pulse 37–37 Positive Pulse 38–38 Rings In Out 39–39 No Function 4 40–40 Random Color Wave 41–49 Random Color Step 50–50 Rainbow Wave 51–51 Rainbow Step 52–52 Rainbow Pulse 53–53 RGB Wave 54–54 RGB Step 55–55 RGB Pulse 56–56 CMY Wave 57–57 CMY Step 58–58 CMY Pulse 59–59 Mix to White Wave 60–60 Mix to White Step 61–61 Mix to White Pulse 62–62 Random Bold 63–63 Random Mix Step 64–64 Random Mix Pulse 65–65 Random Subtle 66–66 RedWhiteBlue Wave 67–69 RedWhiteBlue Step 70–70 Color Wheel Full Step 71–71 Color Wheel All Step 72–72 Color Wheel Split Step 73–73 Color Wheel Random Split Step 74–74 Color Wheel Shaker 75–75 Fire 76–76 Water 77–77 Ice 78–78 Hot and Cold 79–79 Warm and Fuzzy 80–80 Iris Ramp 81–81 Iris Step 82–82 Iris Pulse

Basic (continued)

Ch	Function	Default	DMX values
37	Effect Speed 2	128	0–63 Rev Max 64–125 Rev Med 126–126 Rev Min 127–128 Stop 129–191 Fwd Min 192–254 Fwd Med 255–255 Fwd Max
38	Effects Sync	36	0–0 No Sync 1–1 Fixture Offset 10deg 2–2 Fixture Offset 20deg 3–3 Fixture Offset 30deg 4–4 Fixture Offset 40deg 5–5 Fixture Offset 50deg 6–6 Fixture Offset 60deg 7–7 Fixture Offset 70deg 8–8 Fixture Offset 80deg 9–9 Fixture Offset 90deg 10–10 Fixture Offset 100deg 11–11 Fixture Offset 110deg 12–12 Fixture Offset 120deg 13–13 Fixture Offset 130deg 14–14 Fixture Offset 140deg 15–15 Fixture Offset 150deg 16–16 Fixture Offset 160deg 17–17 Fixture Offset 170deg 18–18 Fixture Offset 180deg 19–19 Fixture Offset 190deg 20–20 Fixture Offset 200deg 21–21 Fixture Offset 210deg 22–22 Fixture Offset 220deg 23–23 Fixture Offset 230deg 24–24 Fixtrue Offset 240deg 25–25 Fixture Offset 250deg 26–26 Fixture Offset 260deg 27–27 Fixture Offset 270deg 28–28 Fixture Offset 280deg 29–29 Fixture Offset 290deg 30–30 Fixture Offset 300deg 31–31 Fixture Offset 310deg 32–32 Fixture Offset 320deg 33–33 Fixture Offset 330deg 34–34 Fixture Offset 340deg 35–35 Fixture Offset 350deg 36–100 Synchronized 101–120 Random Start 121–255 Random Duration